

**INVESTIGATION CONCLUSION
ANOMALOUS SOIL SAMPLES
AT HUNTERS POINT NAVAL SHIPYARD
REVISION 1**

April 2014

**HUNTERS POINT NAVAL SHIPYARD
SAN FRANCISCO, CALIFORNIA**



**TETRA TECH EC, INC.
1230 Columbia Street, Suite 750
San Diego, California 92101-8536**

listed in the spreadsheet show anomalous soil sample results. Some survey units are listed for comparison of soil sample results for other survey units in the same general area.

The review of the data showed a pattern of consecutive samples with uncharacteristically low K-40, Ra-226, and progeny concentrations in 12 survey units at 3 additional sites in the Parcel C and E areas. In many of these areas, previous systematic samples collected in the same vicinity did not show the same low K-40 concentration. As these anomalies are consistent with the K-40 sample concentrations as evidenced in B517 SU-002, the scope of the investigation was expanded to cover other survey units.

October 24 through November 28, 2012

Additional Systematic Sampling

From October 24 through November 28, the HPNS team took action to collect systematic samples in these areas to determine if the radionuclide signature of low K-40, Ra-226, and progeny could be replicated. An additional surveillance was conducted by Greg Joyce on October 24, 2012, for B517 SU-002. The surveillance report is contained in Attachment 8. A listing of survey units that warranted further investigation is provided as Table 2. Soil sample survey maps for the former Building 517 Site, Building 707 Triangle Area (707 Area), Shack 79/80, and North Pier are included in Attachment 3.

TABLE 2
SURVEY UNITS RECOMMENDED FOR RESAMPLING

Area	Survey Unit	Sample Numbers	Date Collected	COC Radiological Technician
517	2	123-158	10-Apr-12	Jeff Rolfe
707	9	59-78	08-Jun-11	Jeff Rolfe
707	16	67-86	07-Jun-11	Jeff Rolfe
707	17	64-83	08-Jun-11	Jeff Rolfe
707	22	81-100	12-Aug-12	Anthony Smith
707	23	5-24	31-Jul-12	Jeff Rolfe
North Pier	1	28-47	31-May-12	Ray Roberson
North Pier	7	30-49	04-Jun-12	Justin Hubbard
North Pier	8	32-51	31-May-12	Ray Roberson
North Pier	10	27-46	31-May-12	Ray Roberson
North Pier	11	27-46	31-May-12	Ray Roberson
79/80	2	3, 5-6, 8-22	04-Apr-12	Jeff Rolfe

Additional Systematic Sampling Results

Results, including calculation of the mean, median, and standard deviation values for the complete systematic sample data sets, are contained in the spreadsheets of Attachment 3. The systematic sample results collected as a result of this investigation are substantially more elevated than the anomalous set of systematics, suggesting that the anomalous set of systematic samples is not representative of its respective survey unit.

For example, in the set of final systematic samples from B517 SU-002 that led to this investigation, the mean, median, and standard deviation for K-40 concentrations were approximately 1.78 pCi/g, 1.75 pCi/g, and 0.6 pCi/g, respectively. The set of systematic samples collected as part of this investigation on October 24, 2012, produced results for K-40

November 7, 2012

Inspection of Sites with Anomalous Data

On November 7, 2012, Erik Abkemeier and Greg Joyce accompanied Construction Manager Dennis McWade and Radiation Safety Officer Representative Adam Berry to inspect B517 SU-002, various import fill piles, the North Pier, and the 707 Site.

Examination of Soil Surfaces at Former Building 517 Site, Survey Unit 2

A visual inspection of the surface soils at B517 SU-002 showed that there appears to be a number of different soil types throughout the surface area, of which little appears to match the gray soil from the anomalous set of systematic samples. Additionally, the four potholes contained materials in a variety of colors, but the depths were not consistent. Therefore, collecting an entire set of 36 systematic samples in a contiguous soil stratum at depth, by accident, seemed unlikely.

Examination of Import Fill Piles

The same individuals visited the site of several import fill piles to look for soil that appeared similar to the soil of the anomalous B517 SU-002 samples. Soil samples collected for gamma spectroscopy analysis from the import fill piles did not have any results similar to the anomalous sample results.

Examination of North Pier

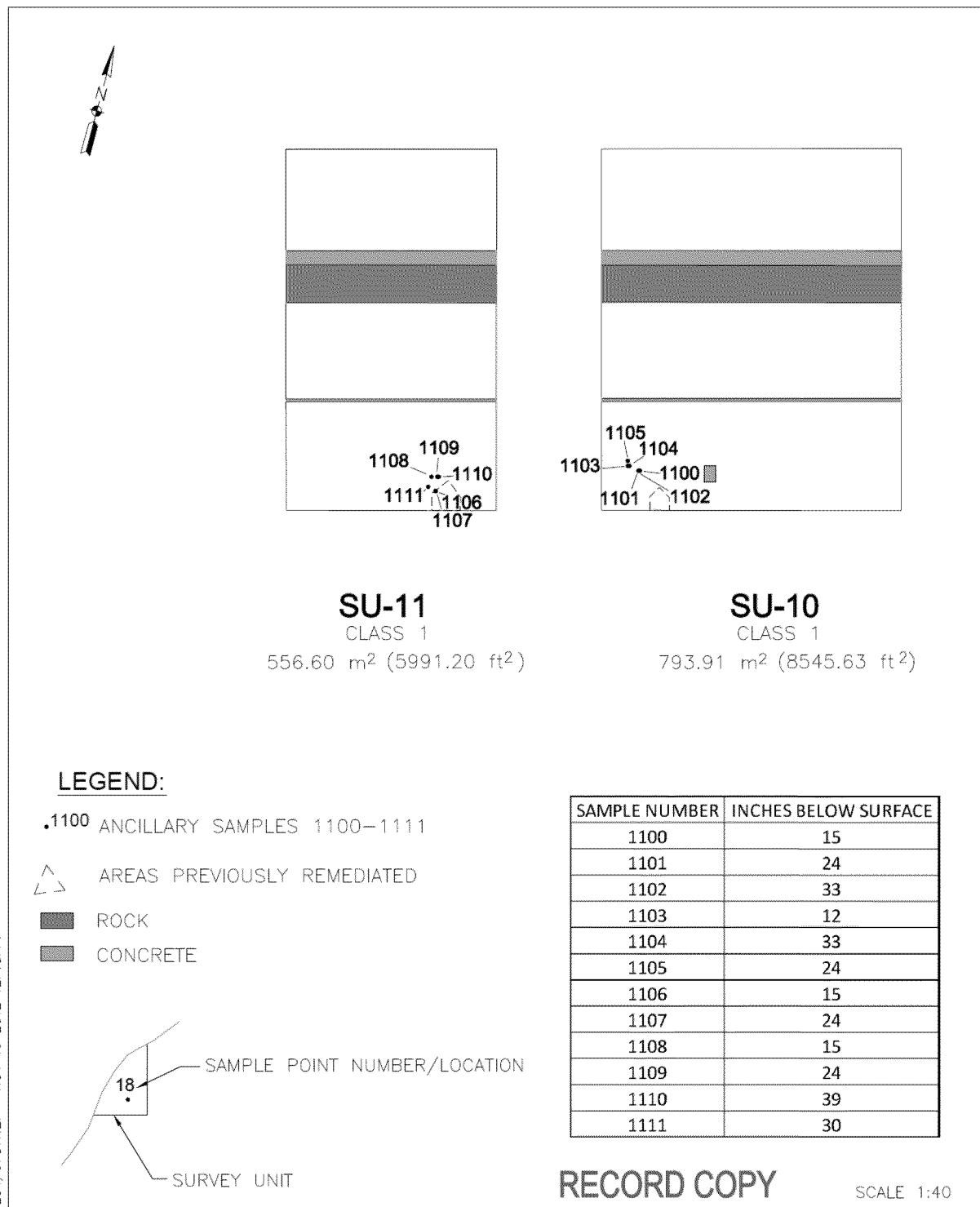
The North Pier had been covered by crushed asphalt at the conclusion of remediation several months earlier; however, it was evident where samples had been collected as part of the investigative process. A test pit was dug to a depth of 3 feet bgs. The soil beneath the asphalt was a mixture of rocks, gravel, and clays, and was not consistent throughout the area. Results from the test pit on the North Pier are shown in the following Table 4, and sampling locations are shown on Figure 3. Photographs are provided in Attachment 10. No results at any depth were comparable to the anomalous soil samples with low concentrations of K-40, Ra-226, and progeny.

TABLE 4

NORTH PIER TEST PIT SAMPLES COLLECTED TO A DEPTH OF 3 FEET

Sample ID	K-40 (pCi/g)	Ra-226 (pCi/g)	Cs-137 (pCi/g)	Bi-214 (pCi/g)	Pb-214 (pCi/g)
07A-SB04-002	13.73	0.5723	0	0.5101	0.4946
02ANPR-1100	6.796	0.3756	-0.01209	0.0923	0.2235
02ANPR-1101	9.391	0.3323	-0.008652	0.2755	0.4686
02ANPR-1102	9.294	0.4989	-0.006876	0.4131	0.3777
02ANPR-1103	6.227	0.3655	-0.0004954	0.09775	0.1739
02ANPR-1104	8.076	0.3324	0	0.3696	0.2369
02ANPR-1105	8.011	0.1466	0	0.3387	0.3623
02ANPR-1106	10.64	0.5653	-0.006999	0.3513	0.4925
02ANPR-1107	10.51	0.4341	0.007666	0.3817	0.5214
02ANPR-1108	17.77	1.359	0.01339	0.4399	0.5899
02ANPR-1109	6.758	-0.1163	-0.004885	0.1066	0.2448
02ANPR-1110	7.906	0.4756	0.004713	0.143	0.2897
02ANPR-1111	7.847	0.5883	0.001557	0.3008	0.3195

FIGURE 3
NORTH PIER SAMPLE LOCATIONS



HUNTERS POINT SHIPYARD
 SAN FRANCISCO, CA
 P.O. BOX 884836
 SAN FRANCISCO, CA 94188

**NORTH PIER WA-32
 SURVEY UNIT 10**



TETRA TECH EC, INC
 1230 COLUMBIA STREET, SUITE 750
 SAN DIEGO, CA 92101
 TEL: (619) 234-8690 FAX: (619) 234-8591

Joseph Cunningham were listed on the chain-of-custody forms but were not available for interviews because they had left the HPNS project before the investigation began.

The homogeneity of the soil sample results and visual characteristics indicate that the soil samples may have been collected from one homogeneous soil type, possibly from a small area. The soil referred to as the “road base” in the Survey Unit 22/23 areas of the Site 707 may be a source of the material, as its radionuclide signature is similar to that of the soil from the “anomalous” samples, and the grayish color is similar. Sample results collected from drill cuttings from another contractor and stored in Buildings 253/211 show similar “low K-40” results as discussed previously. This may have also served as the source of the “low K-40” soil. Additionally, in the case of sample collection at the North Pier, soil samples were collected from four survey units at the North Pier and one other survey unit all in one day according to the chain-of-custody forms. This quantity of sample collection performed in one day is unrealistic based on interviews with members of the sampling team. The sample collection rate of one to two survey units per day appears to be corroborated by the sample collection rate performed for this investigation.

The motivation for collecting soil samples in areas outside the assigned survey units is unclear. The radioanalytical and physical evidence contradicts the oral testimony provided by members listed on the sampling section of the chain-of-custody forms. Note that multiple survey units in the Site 707 area were remediated primarily as a result of Cs-137 concentrations exceeding the release criterion. The five survey units within the North Pier that showed anomalous results provided a basis for an FSS report to radiologically release the North Pier.

It is counterintuitive for RCTs and HPNS supervisors to want to complete the release of an area rapidly, as this may shorten the length of employment. On the other hand, if the RCT and/or supervisors believed that rapidly finishing survey units would result in future work awards from the Navy at HPNS, or if they wanted to collect samples from an area that did not require significant manual effort, such as the uses of picks and chipper hammers, some motivation to sample in an area outside a survey unit may exist. It is not believed that the anomalous soil samples were a result of sabotage, as the soil sample results all yielded radionuclide of concern concentrations well below any respective release criterion.

To maximize the Navy’s confidence in the overall quality of data provided in the future, and to minimize the likelihood of accidental and/or purposeful inappropriate soil sampling to the maximum extent possible in the future, TtEC developed corrective actions to strengthen the quality of all aspects of the soil sample collection and quality control review process. For example, one corrective action focused on retraining the field teams in proper sample collection procedures including proper use and documentation of chain-of-custody forms. As another example, to send a message to all workers that any apparent deviation from sampling protocol will not be tolerated, TtEC proactively removed the three remaining RCTs who had signed the majority of the chains of custody for the identified unacceptable soil samples from any TtEC projects, and severely disciplined the two health physics supervisors responsible for supervising the RTCs. As a third example, to provide increased soil sample collection quality across the entire process, TtEC significantly increased the number of quality control surveillances by the Project QC Manager or another authorized independent party during the final systematic soil sample collection process. In addition to close personal scrutiny by health physics professionals, TtEC also uses Microsoft Excel conditional formatting in soil sample result spreadsheets to

Area	Survey Unit	Sample point	Sample Type	Bottle ID	Bottle Collected	COC Radiochemical Technician	Off-Site Laboratory (pCi/g)		
							1-2-3	4-5-6	7-8-9
NPR	1	1	Based	02NPR-S0001-F001-01	12-Mar-12	Ray Robertson	19.96	0.7947	0.002155
NPR	1	2	Based	02NPR-S0001-F002-01	12-Mar-12	Ray Robertson	24.59	0.7948	0.001984
NPR	1	3	Systematic	02NPR-S0001-F003-01	12-Mar-12	Ray Robertson	16.11	0.4884	0.01759
NPR	1	4	Systematic	02NPR-S0001-F004-01	12-Mar-12	Ray Robertson	17.03	0.6062	0.003201
NPR	1	5	Systematic	02NPR-S0001-F005-01	12-Mar-12	Ray Robertson	24.05	0.9352	0.01714
NPR	1	6	Systematic	02NPR-S0001-F006-01	12-Mar-12	Ray Robertson	12.95	0.4227	0
NPR	1	7	Systematic	02NPR-S0001-F007-01	12-Mar-12	Ray Robertson	17.52	0.8395	0.02346
NPR	1	8	Systematic	02NPR-S0001-F008-01	12-Mar-12	Ray Robertson	19.97	1.076	0.005737
NPR	1	9	Systematic	02NPR-S0001-F009-01	12-Mar-12	Ray Robertson	20.39	0.8747	0
NPR	1	10	Systematic	02NPR-S0001-F010-01	12-Mar-12	Ray Robertson	21.94	0.6621	0.01632
NPR	1	11	Systematic	02NPR-S0001-F011-01	12-Mar-12	Ray Robertson	13.45	1.015	0.002805
NPR	1	12	Systematic	02NPR-S0001-F012-01	12-Mar-12	Ray Robertson	12.68	0.8268	0.003642
NPR	1	13	Systematic	02NPR-S0001-F013-01	12-Mar-12	Ray Robertson	15.3	1.037	0.01031
NPR	1	14	Systematic	02NPR-S0001-F014-01	12-Mar-12	Ray Robertson	24.65	1.195	-0.006789
NPR	1	15	Systematic	02NPR-S0001-F015-01	12-Mar-12	Ray Robertson	22.08	1.261	0.01603
NPR	1	16	Systematic	02NPR-S0001-F016-01	12-Mar-12	Ray Robertson	18.09	0.5341	0.007238
NPR	1	17	Systematic	02NPR-S0001-F017-01	12-Mar-12	Ray Robertson	21.58	0	-0.002161
NPR	1	18	Systematic	02NPR-S0001-F018-01	12-Mar-12	Ray Robertson	13.13	0.9494	0
NPR	1	19	Systematic	02NPR-S0001-F019-01	12-Mar-12	Ray Robertson	14.23	0.9426	0.001202
NPR	1	20	Systematic	02NPR-S0001-F020-01	12-Mar-12	Ray Robertson	8.662	0.5098	0.008013
NPR	1	21	Systematic	02NPR-S0001-F021-01	12-Mar-12	Ray Robertson	14.28	0.1567	0.00801
NPR	1	22	Systematic	02NPR-S0001-F022-01	12-Mar-12	Ray Robertson	13.72	1.111	0.03043
NPR	1	23	Characterization	02NPR-S0001-F023-01	20-Apr-12	Joe Cunningham	11.34	0.5413	0.01377
NPR	1	24	Characterization	02NPR-S0001-F024-01	20-Apr-12	Joe Cunningham	14.11	0.6765	-0.001987
NPR	1	25	Characterization	02NPR-S0001-F025-01	20-Apr-12	Joe Cunningham	14.4	1.067	-0.01338
NPR	1	26	Characterization	02NPR-S0001-F026-01	20-Apr-12	Joe Cunningham	12.12	0.9123	-0.005844
NPR	1	27	Post Remediation	02NPR-S0001-F027-01	01-May-12	Ray Robertson	10.01	0.5203	0
NPR	1	28	Systematic	02NPR-S0001-F028-01	31-May-12	Ray Robertson	0.5955	0.2128	0
NPR	1	29	Systematic	02NPR-S0001-F029-01	31-May-12	Ray Robertson	0.7668	0.2868	0
NPR	1	30	Systematic	02NPR-S0001-F030-01	31-May-12	Ray Robertson	0.9455	-0.008865	0
NPR	1	31	Systematic	02NPR-S0001-F031-01	31-May-12	Ray Robertson	0.4848	-0.02182	-0.0008709
NPR	1	32	Systematic	02NPR-S0001-F032-01	31-May-12	Ray Robertson	0.6058	0.1511	-0.011565
NPR	1	33	Systematic	02NPR-S0001-F033-01	31-May-12	Ray Robertson	0.8527	0.3042	0.0007636
NPR	1	34	Systematic	02NPR-S0001-F034-01	31-May-12	Ray Robertson	1.434	0.5699	-0.0006929
NPR	1	35	Systematic	02NPR-S0001-F035-01	31-May-12	Ray Robertson	0.6348	0.09719	0
NPR	1	36	Systematic	02NPR-S0001-F036-01	31-May-12	Ray Robertson	1.228	0.1653	0.01029
NPR	1	37	Systematic	02NPR-S0001-F037-01	31-May-12	Ray Robertson	0.3449	-0.05334	0.0000226
NPR	1	38	Systematic	02NPR-S0001-F038-01	31-May-12	Ray Robertson	1.02	0.1619	-0.008089
NPR	1	39	Systematic	02NPR-S0001-F039-01	31-May-12	Ray Robertson	1.16	0.1347	-0.003684
NPR	1	40	Systematic	02NPR-S0001-F040-01	31-May-12	Ray Robertson	0.8298	0	0.001043
NPR	1	41	Systematic	02NPR-S0001-F041-01	31-May-12	Ray Robertson	0.6604	0.1806	0
NPR	1	42	Systematic	02NPR-S0001-F042-01	31-May-12	Ray Robertson	0.5083	-0.1306	-0.007731
NPR	1	43	Systematic	02NPR-S0001-F043-01	31-May-12	Ray Robertson	0.5767	0.1846	-0.003175
NPR	1	44	Systematic	02NPR-S0001-F044-01	31-May-12	Ray Robertson	1.296	0.1245	0.0004911
NPR	1	45	Systematic	02NPR-S0001-F045-01	31-May-12	Ray Robertson	1.331	-0.02846	-0.0005054
NPR	1	46	Systematic	02NPR-S0001-F046-01	31-May-12	Ray Robertson	0.9901	-0.03055	0.002121
NPR	1	47	Systematic	02NPR-S0001-F047-01	31-May-12	Ray Robertson	0.8947	0.3029	0
NPR	1	48	Systematic	02NPR-S0001-F048-01	05-Nov-12	J Taylor/M Winder	20.36	0.576	0.009591
NPR	1	49	Systematic	02NPR-S0001-F049-01	05-Nov-12	J Taylor/M Winder	24.59	1.21	0.005344
NPR	1	50	Systematic	02NPR-S0001-F050-01	05-Nov-12	J Taylor/M Winder	19.75	1.013	0.00833
NPR	1	51	Systematic	02NPR-S0001-F051-01	05-Nov-12	J Taylor/M Winder	18.67	0.8324	0.592
NPR	1	52	Systematic	02NPR-S0001-F052-01	05-Nov-12	J Taylor/M Winder	20.61	0	0.01149

Area	Survey Point	Sample Type	Sample ID	Date Collected	CCC Radiological Technician		On-Site Laboratory [pCi/g]		Off-Site Laboratory [pCi/g]	
					5-12	5-13	5-14	5-15	5-16	5-17
NPR	1	53	Systematic	02NPR-S0001-F053-01	05-Nov-12	J Taylor/M Winder	12.35	0.6312	0.009507	0.3394
NPR	1	54	Systematic	02NPR-S0001-F054-01	05-Nov-12	J Taylor/M Winder	18.32	1.286	0.008279	1.011
NPR	1	55	Systematic	02NPR-S0001-F055-01	05-Nov-12	J Taylor/M Winder	20.85	1.104	-0.00895	0.5882
NPR	1	56	Systematic	02NPR-S0001-F056-01	05-Nov-12	J Taylor/M Winder	13.62	0.7808	-0.007308	0.4796
NPR	1	57	Systematic	02NPR-S0001-F057-01	05-Nov-12	J Taylor/M Winder	19.62	0.8478	0.02	0.5043
NPR	1	58	Systematic	02NPR-S0001-F058-01	05-Nov-12	J Taylor/M Winder	8.925	0.1945	0.004278	0.1988
NPR	1	59	Systematic	02NPR-S0001-F059-01	05-Nov-12	J Taylor/M Winder	11.75	0.5226	-0.005846	0.451
NPR	1	60	Systematic	02NPR-S0001-F060-01	05-Nov-12	J Taylor/M Winder	14.46	0.8902	0.3558	0.5128
NPR	1	61	Systematic	02NPR-S0001-F061-01	05-Nov-12	J Taylor/M Winder	9.862	0.7724	-0.006135	0.249
NPR	1	62	Systematic	02NPR-S0001-F062-01	05-Nov-12	J Taylor/M Winder	15.66	1.14	0.0065338	0.8041
NPR	1	63	Systematic	02NPR-S0001-F063-01	05-Nov-12	J Taylor/M Winder	10.1	0.6703	-0.006032	0.5628
NPR	1	64	Systematic	02NPR-S0001-F064-01	05-Nov-12	J Taylor/M Winder	13.6	1.073	0.005257	0.3808
NPR	1	65	Systematic	02NPR-S0001-F065-01	05-Nov-12	J Taylor/M Winder	23.44	1.49	-0.009868	1.377
NPR	1	66	Systematic	02NPR-S0001-F066-01	05-Nov-12	J Taylor/M Winder	9.477	0.1843	0.01683	0.3729
NPR	1	67	Systematic	02NPR-S0001-F067-01	05-Nov-12	J Taylor/M Winder	21.91	0.9818	0	0.4259
NPR	1	68	Characterization	02NPR-S0001-F068-01	15-Nov-12	J Taylor/M Winder	20.35	0.6597	0.01536	0.5639
NPR	1	69	Characterization	02NPR-S0001-F069-01	15-Nov-12	J Taylor/M Winder	21.38	0.002979	1.249	1.228
NPR	1	70	Characterization	02NPR-S0001-F070-01	15-Nov-12	J Taylor/M Winder	22.26	1.321	0.002635	1.07
NPR	2	1	Based	02NPR-S0002-F001-01	12-Mar-12	Ray Roberson	21.06	0.9879	-0.004799	0.516
NPR	2	2	Based	02NPR-S0002-F002-01	12-Mar-12	Ray Roberson	18.64	0.9884	0.02078	0.6563
NPR	2	3	Systematic	02NPR-S0002-F003-01	12-Mar-12	Ray Roberson	23.58	0.8754	0.03337	0.7319
NPR	2	4	Systematic	02NPR-S0002-F004-01	12-Mar-12	Ray Roberson	12.31	0.9338	0.01518	0.584
NPR	2	5	Systematic	02NPR-S0002-F005-01	12-Mar-12	Ray Roberson	20.93	0.7293	0.008244	0.5668
NPR	2	6	Systematic	02NPR-S0002-F006-01	12-Mar-12	Ray Roberson	19.88	1.176	0.006799	0.5356
NPR	2	7	Systematic	02NPR-S0002-F007-01	12-Mar-12	Ray Roberson	19.19	0.8896	-0.005436	0.7424
NPR	2	8	Systematic	02NPR-S0002-F008-01	12-Mar-12	Ray Roberson	18.6	0.8326	0	0.5234
NPR	2	9	Systematic	02NPR-S0002-F009-01	12-Mar-12	Ray Roberson	16.54	0.9882	0.01351	0.7531
NPR	2	10	Systematic	02NPR-S0002-F010-01	12-Mar-12	Ray Roberson	18.39	1.532	0.003662	0.951
NPR	2	11	Systematic	02NPR-S0002-F011-01	12-Mar-12	Ray Roberson	15.46	0.7853	0.005981	0.6505
NPR	2	12	Systematic	02NPR-S0002-F012-01	12-Mar-12	Ray Roberson	16.62	0.6629	0.02784	0.4843
NPR	2	13	Systematic	02NPR-S0002-F013-01	12-Mar-12	Ray Roberson	20.8	1.287	0.0006824	1.112
NPR	2	14	Systematic	02NPR-S0002-F014-01	12-Mar-12	Ray Roberson	19.57	0.9029	0.0004748	0.585
NPR	2	15	Systematic	02NPR-S0002-F015-01	12-Mar-12	Ray Roberson	14.49	0.3334	0.0004189	0.585
NPR	2	16	Systematic	02NPR-S0002-F016-01	12-Mar-12	Ray Roberson	13.7	0.2663	-0.01033	0.4069
NPR	2	17	Systematic	02NPR-S0002-F017-01	12-Mar-12	Ray Roberson	18.09	1.267	0.0265	0.6619
NPR	2	18	Systematic	02NPR-S0002-F018-01	12-Mar-12	Ray Roberson	20.87	0.9018	0.0045658	0.4846
NPR	2	19	Systematic	02NPR-S0002-F019-01	12-Mar-12	Ray Roberson	11.44	0.591	0	0.3783
NPR	2	20	Systematic	02NPR-S0002-F020-01	12-Mar-12	Ray Roberson	13.38	0.7643	0.005397	0.444
NPR	2	21	Systematic	02NPR-S0002-F021-01	12-Mar-12	Ray Roberson	13.68	0.33	0.01669	0.4396
NPR	2	22	Systematic	02NPR-S0002-F022-01	12-Mar-12	Ray Roberson	16.93	0.3466	0.04627	0.7789
NPR	3	1	Based	02NPR-S0003-F001-01	15-Mar-12	Joe Cunningham	20.52	0.5054	0.007594	0.8439
NPR	3	2	Based	02NPR-S0003-F002-01	15-Mar-12	Joe Cunningham	14.57	0.7591	0.002709	0.3335
NPR	3	3	Systematic	02NPR-S0003-F003-01	15-Mar-12	Joe Cunningham	18.74	0.5192	0.004662	0.5514
NPR	3	4	Systematic	02NPR-S0003-F004-01	15-Mar-12	Joe Cunningham	19.23	0.8131	0.009259	0.505
NPR	3	5	Systematic	02NPR-S0003-F005-01	15-Mar-12	Joe Cunningham	12.33	0.96	0.002853	0.287
NPR	3	6	Systematic	02NPR-S0003-F006-01	15-Mar-12	Joe Cunningham	19.74	0.8428	0.01891	0.4862
NPR	3	7	Systematic	02NPR-S0003-F007-01	15-Mar-12	Joe Cunningham	16.59	1.307	0.002978	0.4508
NPR	3	8	Systematic	02NPR-S0003-F008-01	15-Mar-12	Joe Cunningham	11.81	0.6404	0.000217	0.5531
NPR	3	9	Systematic	02NPR-S0003-F009-01	15-Mar-12	Joe Cunningham	10.34	0.4693	0.000247	0.571
NPR	3	10	Systematic	02NPR-S0003-F010-01	15-Mar-12	Joe Cunningham	13.47	0.7107	0.07626	0.3448
NPR	3	11	Systematic	02NPR-S0003-F011-01	15-Mar-12	Joe Cunningham	10.96	0.8925	-0.001124	0.4807
NPR	3	12	Systematic	02NPR-S0003-F012-01	15-Mar-12	Joe Cunningham	10.17	0.9849	0.01035	0.4377

Area	Survey Point	Sample Type	Sample ID	Date Collected	CCG Radiological Technician	On-Site Laboratory [pCi/g]			Off-Site Laboratory [pCi/g]		
						15-Mar-12	16-Mar-12	17-Mar-12	18-Mar-12	19-Mar-12	20-Mar-12
NPR	3	13	Systematic	02NPR-S0003-F013-01	15-Mar-12	Joe Cunningham	15.66	0.874	-0.008833	0.4073	0.578
NPR	3	14	Systematic	02NPR-S0003-F014-01	15-Mar-12	Joe Cunningham	14.57	0.7185	0.009776	0.4473	0.6342
NPR	3	15	Systematic	02NPR-S0003-F015-01	15-Mar-12	Joe Cunningham	17.58	0.5712	0.04761	0.2945	0.3996
NPR	3	16	Systematic	02NPR-S0003-F016-01	15-Mar-12	Joe Cunningham	11.4	0.7747	0.01613	0.3337	0.449
NPR	3	17	Systematic	02NPR-S0003-F017-01	15-Mar-12	Joe Cunningham	9.732	0.5877	0.007473	0.3917	0.501
NPR	3	18	Systematic	02NPR-S0003-F018-01	15-Mar-12	Joe Cunningham	16.26	0.7628	0.0031732	0.3851	0.6449
NPR	3	19	Systematic	02NPR-S0003-F019-01	15-Mar-12	Joe Cunningham	18.45	0.6303	0.04014	0.4257	0.6351
NPR	3	20	Systematic	02NPR-S0003-F020-01	15-Mar-12	Joe Cunningham	11.17	0.4463	0.002806	0.5168	0.5535
NPR	3	21	Systematic	02NPR-S0003-F021-01	15-Mar-12	Joe Cunningham	9.362	0.6195	0.020698	0.5632	0.4666
NPR	3	22	Systematic	02NPR-S0003-F022-01	15-Mar-12	Joe Cunningham	10.78	0.8376	0	0.4635	0.5499
NPR	4	1	Based	02NPR-S0004-F001-01	15-Mar-12	Joe Cunningham	14.96	0.9895	0.0001542	0.3896	0.5655
NPR	4	2	Based	02NPR-S0004-F002-01	15-Mar-12	Joe Cunningham	20.86	1.263	0.02833	0.4867	0.627
NPR	4	3	Systematic	02NPR-S0004-F003-01	15-Mar-12	Joe Cunningham	23.18	1.24	-0.0001092	0.3976	0.5678
NPR	4	4	Systematic	02NPR-S0004-F004-01	15-Mar-12	Joe Cunningham	18.87	0.7294	0.01594	0.4723	0.6412
NPR	4	5	Systematic	02NPR-S0004-F005-01	15-Mar-12	Joe Cunningham	20.97	0.6111	-0.001449	0.4775	0.6489
NPR	4	6	Systematic	02NPR-S0004-F006-01	15-Mar-12	Joe Cunningham	18.71	0.6069	-0.002306	0.5585	0.5851
NPR	4	7	Systematic	02NPR-S0004-F007-01	15-Mar-12	Joe Cunningham	10.37	0.3653	0.01163	0.2456	0.3129
NPR	4	8	Systematic	02NPR-S0004-F008-01	15-Mar-12	Joe Cunningham	20.66	0.8556	-0.004051	0.453	0.5896
NPR	4	9	Systematic	02NPR-S0004-F009-01	15-Mar-12	Joe Cunningham	14.96	0.4399	0.08339	0.3017	0.39
NPR	4	10	Systematic	02NPR-S0004-F010-01	15-Mar-12	Joe Cunningham	13.58	0.6193	-0.01205	0.6348	0.6435
NPR	4	11	Systematic	02NPR-S0004-F011-01	15-Mar-12	Joe Cunningham	15.72	0.7308	0	0.4979	0.6123
NPR	4	12	Systematic	02NPR-S0004-F012-01	15-Mar-12	Joe Cunningham	18.42	0.9005	0.006919	0.3727	0.5786
NPR	4	13	Systematic	02NPR-S0004-F013-01	15-Mar-12	Joe Cunningham	19.84	0.9086	0.003687	0.5738	0.5459
NPR	4	14	Systematic	02NPR-S0004-F014-01	15-Mar-12	Joe Cunningham	14.41	0.6395	0.006202	0.2583	0.4295
NPR	4	15	Systematic	02NPR-S0004-F015-01	15-Mar-12	Joe Cunningham	11.11	0.5986	0.04172	0.477	0.422
NPR	4	16	Systematic	02NPR-S0004-F016-01	15-Mar-12	Joe Cunningham	10.23	0.6382	-0.002072	0.2611	0.4667
NPR	4	17	Systematic	02NPR-S0004-F017-01	15-Mar-12	Joe Cunningham	11.64	0.9448	0.09754	0.3369	0.3223
NPR	4	18	Systematic	02NPR-S0004-F018-01	15-Mar-12	Joe Cunningham	13.28	0.5129	0	0.4742	0.3875
NPR	4	19	Systematic	02NPR-S0004-F019-01	15-Mar-12	Joe Cunningham	17.39	0.799	0.02938	0.373	0.5974
NPR	4	20	Systematic	02NPR-S0004-F020-01	15-Mar-12	Joe Cunningham	11.09	0.2556	0.02836	0.2784	0.4395
NPR	4	21	Systematic	02NPR-S0004-F021-01	15-Mar-12	Joe Cunningham	11.69	0.8375	0.01936	0.4813	0.5186
NPR	4	22	Systematic	02NPR-S0004-F022-01	15-Mar-12	Joe Cunningham	12.71	0.7233	0.03015	0.4807	0.4087
NPR	5	1	Based	02NPR-S0005-F001-01	16-Mar-12	Joe Cunningham	14.66	0.8045	0.0117	0.3371	0.3454
NPR	5	2	Based	02NPR-S0005-F002-01	16-Mar-12	Joe Cunningham	13.43	0.3398	0.03409	0.3396	0.3545
NPR	5	3	Systematic	02NPR-S0005-F003-01	16-Mar-12	Joe Cunningham	23.87	0.6468	-0.000975	0.6274	0.6512
NPR	5	4	Systematic	02NPR-S0005-F004-01	16-Mar-12	Joe Cunningham	17.59	0.7245	-0.007172	0.3487	0.5282
NPR	5	5	Systematic	02NPR-S0005-F005-01	16-Mar-12	Joe Cunningham	22.86	1.015	0.01214	0.6099	0.6204
NPR	5	6	Systematic	02NPR-S0005-F006-01	16-Mar-12	Joe Cunningham	16.06	0.8865	0.01707	0.3859	0.4791
NPR	5	7	Systematic	02NPR-S0005-F007-01	16-Mar-12	Joe Cunningham	25.24	0.02323	-0.00169	0.492	0.2163
NPR	5	8	Systematic	02NPR-S0005-F008-01	16-Mar-12	Joe Cunningham	24.07	0.6385	0.004316	0.6002	0.6031
NPR	5	9	Systematic	02NPR-S0005-F009-01	16-Mar-12	Joe Cunningham	21.25	0.5402	0.01702	0.5328	0.5813
NPR	5	10	Systematic	02NPR-S0005-F010-01	16-Mar-12	Joe Cunningham	10.12	0.5741	-0.001563	0.3516	0.749
NPR	5	11	Systematic	02NPR-S0005-F011-01	16-Mar-12	Joe Cunningham	14.37	0.7368	0.001196	0.4203	0.5666
NPR	5	12	Systematic	02NPR-S0005-F012-01	16-Mar-12	Joe Cunningham	19.12	0.687	0.001961	0.4449	0.4449
NPR	5	13	Systematic	02NPR-S0005-F013-01	16-Mar-12	Joe Cunningham	24.54	0.647	0	0.5681	0.6368
NPR	5	14	Systematic	02NPR-S0005-F014-01	16-Mar-12	Joe Cunningham	12.37	0.4336	0.036779	0.4133	0.545
NPR	5	15	Systematic	02NPR-S0005-F015-01	16-Mar-12	Joe Cunningham	11.21	0.5322	0.009074	0.2947	0.433
NPR	5	16	Systematic	02NPR-S0005-F016-01	16-Mar-12	Joe Cunningham	12.4	0.5466	0.033558	0.5033	0.5747
NPR	5	17	Systematic	02NPR-S0005-F017-01	16-Mar-12	Joe Cunningham	10.23	0.7934	-0.0002037	0.2945	0.3296
NPR	5	18	Systematic	02NPR-S0005-F018-01	16-Mar-12	Joe Cunningham	13.58	0.8474	-0.003035	0.6807	0.7099
NPR	5	19	Systematic	02NPR-S0005-F019-01	16-Mar-12	Joe Cunningham	11.79	0.6325	0.002351	0.5606	0.4727
NPR	5	20	Systematic	02NPR-S0005-F020-01	16-Mar-12	Joe Cunningham	20.79	0.4297	0.01831	0.6473	0.7164

Area	Survey Unit	Sample Point	Sample Type	Sample ID	Date Collected	CCG Radiological Technician	On-Site Laboratory [pCi/g]			Off-Site Laboratory [pCi/g]		
							1	2	3	4	5	6
NPR	5	21	Systematic	02NPR-S0005-F021-01	16-Mar-12	Joe Cunningham	10.69	0.5806	0.01404	0.2282	0.3536	0.404
NPR	5	22	Systematic	02NPR-S0005-F022-01	16-Mar-12	Joe Cunningham	8.637	0.1341	-0.009241	0.07833	0.2016	0.227
NPR	6	1	Based	02NPR-S0006-F001-01	19-Mar-12	Ray Robertson	11.6	0.2212	0.01516	0.1974	0.4635	
NPR	6	2	Based	02NPR-S0006-F002-01	19-Mar-12	Ray Robertson	16.37	0.9145	0.05202	0.4747	0.4646	
NPR	6	3	Systematic	02NPR-S0006-F003-01	19-Mar-12	Ray Robertson	16.73	0.5127	0	0.5353	0.4976	
NPR	6	4	Systematic	02NPR-S0006-F004-01	19-Mar-12	Ray Robertson	24.41	0.7917	0.01437	0.5348	0.6377	
NPR	6	5	Systematic	02NPR-S0006-F005-01	19-Mar-12	Ray Robertson	10.54	0.3422	0.001975	0.3093	0.3682	
NPR	6	6	Systematic	02NPR-S0006-F006-01	19-Mar-12	Ray Robertson	13.69	0.6205	0.0009938	0.383	0.3992	
NPR	6	7	Systematic	02NPR-S0006-F007-01	19-Mar-12	Ray Robertson	22.74	0.7523	-0.006285	0.7431	0.7428	
NPR	6	8	Systematic	02NPR-S0006-F008-01	19-Mar-12	Ray Robertson	19.28	0.6104	0.0036857	0.3225	0.334	
NPR	6	9	Systematic	02NPR-S0006-F009-01	19-Mar-12	Ray Robertson	23.3	0.9054	0.0006566	0.5289	0.489	
NPR	6	10	Systematic	02NPR-S0006-F010-01	19-Mar-12	Ray Robertson	22.73	0.7976	0.003905	0.5319	0.636	
NPR	6	11	Systematic	02NPR-S0006-F011-01	19-Mar-12	Ray Robertson	6.889	0.08219	0	0.08676	0.07333	
NPR	6	12	Systematic	02NPR-S0006-F012-01	19-Mar-12	Ray Robertson	9.546	0.5597	0.00579	0.2174	0.4508	
NPR	6	13	Systematic	02NPR-S0006-F013-01	19-Mar-12	Ray Robertson	17.68	0.5658	0.03143	0.4016	0.4658	
NPR	6	14	Systematic	02NPR-S0006-F014-01	19-Mar-12	Ray Robertson	17.61	0.6061	0.02333	0.4391	0.5315	
NPR	6	15	Systematic	02NPR-S0006-F015-01	19-Mar-12	Ray Robertson	6.307	0.0495	-0.0002966	0.09469	0.1783	
NPR	6	16	Systematic	02NPR-S0006-F016-01	19-Mar-12	Ray Robertson	9.72	0.4156	-0.01425	0.3687	0.2171	
NPR	6	17	Systematic	02NPR-S0006-F017-01	19-Mar-12	Ray Robertson	11.23	0.68332	0.0339	0.2174	0.3836	
NPR	6	18	Systematic	02NPR-S0006-F018-01	19-Mar-12	Ray Robertson	7.862	0.795	0.1022	0.2104	0.473	
NPR	6	19	Systematic	02NPR-S0006-F019-01	19-Mar-12	Ray Robertson	9.602	0.06616	0	0.1354	0.462	
NPR	6	20	Systematic	02NPR-S0006-F020-01	19-Mar-12	Ray Robertson	15.6	0.9403	0	0.2556	0.3947	
NPR	6	21	Systematic	02NPR-S0006-F021-01	19-Mar-12	Ray Robertson	11.19	0.4935	0.03326	0.3519	0.234	
NPR	6	22	Systematic	02NPR-S0006-F022-01	19-Mar-12	Ray Robertson	11.56	0.5334	-0.003538	0.2289	0.3556	
NPR	7	1	Based	02NPR-S0007-F001-01	19-Mar-12	Ray Robertson	15.63	1.168	-0.000669	0.5291	0.7158	
NPR	7	2	Based	02NPR-S0007-F002-01	19-Mar-12	Ray Robertson	16.91	0.5637	-0.0002979	0.4558	0.4979	
NPR	7	3	Systematic	02NPR-S0007-F003-01	19-Mar-12	Ray Robertson	19.13	1.028	0.0277	0.4626	0.4865	
NPR	7	4	Systematic	02NPR-S0007-F004-01	19-Mar-12	Ray Robertson	20.3	0.621	-0.001593	0.5052	0.5157	
NPR	7	5	Systematic	02NPR-S0007-F005-01	19-Mar-12	Ray Robertson	15.48	0.819	0.01101	0.4683	0.5668	
NPR	7	6	Systematic	02NPR-S0007-F006-01	19-Mar-12	Ray Robertson	20.89	0.7795	0.009819	0.7346	0.7098	
NPR	7	7	Systematic	02NPR-S0007-F007-01	19-Mar-12	Ray Robertson	11.26	0.2066	0.0008793	0.2546	0.191	
NPR	7	8	Systematic	02NPR-S0007-F008-01	19-Mar-12	Ray Robertson	16.59	0.9166	0.01388	0.3516	0.5534	
NPR	7	9	Systematic	02NPR-S0007-F009-01	19-Mar-12	Ray Robertson	8.158	0.8269	0.0029505	0.4968	0.3786	
NPR	7	10	Systematic	02NPR-S0007-F010-01	19-Mar-12	Ray Robertson	12.7	0.2869	0.001546	0.2812	0.4162	
NPR	7	11	Systematic	02NPR-S0007-F011-01	19-Mar-12	Ray Robertson	22.16	0.9108	0.004272	0.556	0.5297	
NPR	7	12	Systematic	02NPR-S0007-F012-01	19-Mar-12	Ray Robertson	12.36	0.2818	0.02873	0.3632	0.2874	
NPR	7	13	Systematic	02NPR-S0007-F013-01	19-Mar-12	Ray Robertson	7.311	0.2813	0.008543	0.2881	0.2898	
NPR	7	14	Systematic	02NPR-S0007-F014-01	19-Mar-12	Ray Robertson	16.23	0.6444	-0.002545	0.4844	0.4866	
NPR	7	15	Systematic	02NPR-S0007-F015-01	19-Mar-12	Ray Robertson	22.33	0.5616	-0.005973	0.4422	0.5558	
NPR	7	16	Systematic	02NPR-S0007-F016-01	19-Mar-12	Ray Robertson	14.33	0.7524	0.235	0.2288	0.347	
NPR	7	17	Systematic	02NPR-S0007-F017-01	19-Mar-12	Ray Robertson	8.851	0.7903	0.005041	0.3632	0.2729	
NPR	7	18	Systematic	02NPR-S0007-F018-01	19-Mar-12	Ray Robertson	8.837	0.3059	-0.01198	0.2328	0.3336	
NPR	7	19	Systematic	02NPR-S0007-F019-01	19-Mar-12	Ray Robertson	7.614	0.466	0.002288	0.2933	0.3199	
NPR	7	20	Systematic	02NPR-S0007-F020-01	19-Mar-12	Ray Robertson	6.105	0.5077	-0.003496	0.1316	0.2039	
NPR	7	21	Systematic	02NPR-S0007-F021-01	19-Mar-12	Ray Robertson	7.705	0.2358	0.00454	0.2876	0.3079	
NPR	7	22	Systematic	02NPR-S0007-F022-01	19-Mar-12	Ray Robertson	7.675	0.6167	0	0.1376	0.2531	
NPR	7	23	Characterization	02NPR-S0007-F023-01	20-Apr-12	Joe Cunningham	18.72	0.4051	0.08968	0.3326	0.3951	
NPR	7	24	Characterization	02NPR-S0007-F024-01	20-Apr-12	Joe Cunningham	17.07	0.4677	0.153	0.3357	0.3748	
NPR	7	25	Characterization	02NPR-S0007-F025-01	27-Apr-12	Joe Cunningham	15.18	0.3498	0	0.4151	0.5917	
NPR	7	26	Characterization	02NPR-S0007-F026-01	27-Apr-12	Joe Cunningham	20.68	1.227	0.04655	0.4405	0.7648	
NPR	7	27	Post-Remediation	02NPR-S0007-F027-01	07-May-12	Justin Hubbard	18.46	0.546	0.112	0.4669	0.5614	
NPR	7	28	Post-Remediation	02NPR-S0007-F028-01	07-May-12	Justin Hubbard	19.45	1.033	0.05426	0.4551	0.5767	

Area	Survey Unit	Sample Point	Sample Type	Sample ID	Date Collected	CCG Radiological Technician	On-Site Laboratory [pCi/g]			Off-Site Laboratory [pCi/g]		
							24-May-12	25-May-12	26-May-12	24-May-12	25-May-12	26-May-12
NPR	7	29	Post-Remediation	02NPR-S0007-F029-01	24-May-12	Joe Cunningham	9.287	1.121	0	0.40117	0	0.134
NPR	7	30	Systematic	02NPR-S0007-F030-01	04-Jun-12	Justin Hubbard	1.165	0.1813	-0.0003672	0.1739	0.1857	0.164
NPR	7	31	Systematic	02NPR-S0007-F031-01	04-Jun-12	Justin Hubbard	1.902	0.1191	0.005892	0.1688	0.1629	0.184
NPR	7	32	Systematic	02NPR-S0007-F032-01	04-Jun-12	Justin Hubbard	1.631	0.4846	0.004759	0.09555	0.02671	0.209
NPR	7	33	Systematic	02NPR-S0007-F033-01	04-Jun-12	Justin Hubbard	1.223	0.3803	-0.00037568	0.0579	0.1889	0.218
NPR	7	34	Systematic	02NPR-S0007-F034-01	04-Jun-12	Justin Hubbard	0.8122	0.2193	-0.008789	0.08735	0.2021	0.174
NPR	7	35	Systematic	02NPR-S0007-F035-01	04-Jun-12	Justin Hubbard	1.636	0.2614	-0.004871	0.1141	0.2028	0.237
NPR	7	36	Systematic	02NPR-S0007-F036-01	04-Jun-12	Justin Hubbard	1.465	0.2886	0.006069	0.1222	0.07728	0.127
NPR	7	37	Systematic	02NPR-S0007-F037-01	04-Jun-12	Justin Hubbard	0.84336	0.2348	-0.0121	0.05346	0.1819	1.08
NPR	7	38	Systematic	02NPR-S0007-F038-01	04-Jun-12	Justin Hubbard	1.12	0.2095	0	0.1009	0.1006	1.54
NPR	7	39	Systematic	02NPR-S0007-F039-01	04-Jun-12	Justin Hubbard	2.067	0.3081	0.0005948	0.06008	0.06565	1.3
NPR	7	40	Systematic	02NPR-S0007-F040-01	04-Jun-12	Justin Hubbard	1.501	0.2805	0	-0.02728	0.2198	1.69
NPR	7	41	Systematic	02NPR-S0007-F041-01	04-Jun-12	Justin Hubbard	1.63	0	-0.004487	0.01397	0.1397	1.14
NPR	7	42	Systematic	02NPR-S0007-F042-01	04-Jun-12	Justin Hubbard	1.834	0.2233	0.0003867	0.2036	0.1399	2.73
NPR	7	43	Systematic	02NPR-S0007-F043-01	04-Jun-12	Justin Hubbard	1.721	0.1298	0	0.06678	0.1991	1.08
NPR	7	44	Systematic	02NPR-S0007-F044-01	04-Jun-12	Justin Hubbard	2.111	0.1023	0.0056003	0.1499	0.1931	0.728
NPR	7	45	Systematic	02NPR-S0007-F045-01	04-Jun-12	Justin Hubbard	2.235	0.2233	0.00038732	0.09436	0.1061	1.44
NPR	7	46	Systematic	02NPR-S0007-F046-01	04-Jun-12	Justin Hubbard	1.429	0.4846	0	0.06921	0.1184	0.993
NPR	7	47	Systematic	02NPR-S0007-F047-01	04-Jun-12	Justin Hubbard	1.29	0.3147	0	0.07019	0.05316	-0.611
NPR	7	48	Systematic	02NPR-S0007-F048-01	04-Jun-12	Justin Hubbard	1.558	0.06235	0	0.065397	0.1569	0.91
NPR	7	49	Systematic	02NPR-S0007-F049-01	04-Jun-12	Justin Hubbard	1.882	0.2528	0	0.08116	0.148	1.27
NPR	7	50	Systematic	02NPR-S0007-F050-01	02-Nov-12	J/Taylor/M/Winder	8.215	0.8863	0.0069205	0.277	0.277	0.521
NPR	7	51	Systematic	02NPR-S0007-F051-01	02-Nov-12	J/Taylor/M/Winder	22.59	0.7117	0.00528	0.5696	0.5651	0.183
NPR	7	52	Systematic	02NPR-S0007-F052-01	02-Nov-12	J/Taylor/M/Winder	7.26	0.4414	0	0.001904	0.207	0.2451
NPR	7	53	Systematic	02NPR-S0007-F053-01	02-Nov-12	J/Taylor/M/Winder	7.969	0.4793	-0.004215	0.2652	0.3012	0.294
NPR	7	54	Systematic	02NPR-S0007-F054-01	02-Nov-12	J/Taylor/M/Winder	10.38	0.4695	-0.0001777	0.3198	0.3708	0.4661
NPR	7	55	Systematic	02NPR-S0007-F055-01	02-Nov-12	J/Taylor/M/Winder	18.54	0.04877	-0.01107	0.582	0.5738	0.5201
NPR	7	56	Systematic	02NPR-S0007-F056-01	02-Nov-12	J/Taylor/M/Winder	13.41	0.5304	-0.008154	0.4427	0.4427	0.4615
NPR	7	57	Systematic	02NPR-S0007-F057-01	02-Nov-12	J/Taylor/M/Winder	13.8	0.956	0.01948	0.4705	0.4615	0.4615
NPR	7	58	Systematic	02NPR-S0007-F058-01	02-Nov-12	J/Taylor/M/Winder	10.35	0.7471	0	0.4613	0.4654	0.4654
NPR	7	59	Systematic	02NPR-S0007-F059-01	02-Nov-12	J/Taylor/M/Winder	18.91	1.021	-0.01708	0.4882	0.5732	0.5732
NPR	7	60	Systematic	02NPR-S0007-F060-01	02-Nov-12	J/Taylor/M/Winder	14.57	0.4833	0.06165	0.4893	0.4503	0.4503
NPR	7	61	Systematic	02NPR-S0007-F061-01	02-Nov-12	J/Taylor/M/Winder	8.742	0.3812	0.01023	0.2698	0.3428	0.3428
NPR	7	62	Systematic	02NPR-S0007-F062-01	02-Nov-12	J/Taylor/M/Winder	12.14	0.7269	0.03677	0.4719	0.4118	0.4118
NPR	7	63	Systematic	02NPR-S0007-F063-01	02-Nov-12	J/Taylor/M/Winder	23.37	0.8802	0.000208	0.6142	0.6532	0.6532
NPR	7	64	Systematic	02NPR-S0007-F064-01	02-Nov-12	J/Taylor/M/Winder	23.41	0.6868	-0.003972	0.6025	0.6661	0.6661
NPR	7	65	Systematic	02NPR-S0007-F065-01	02-Nov-12	J/Taylor/M/Winder	5.883	0.3309	0	-0.02339	0.182	0.182
NPR	7	66	Systematic	02NPR-S0007-F066-01	02-Nov-12	J/Taylor/M/Winder	7.43	0.1612	0.00616	0.2467	0.2988	0.2988
NPR	7	67	Systematic	02NPR-S0007-F067-01	02-Nov-12	J/Taylor/M/Winder	7.349	0.8248	-0.005672	0.4836	0.591	0.591
NPR	7	68	Systematic	02NPR-S0007-F068-01	02-Nov-12	J/Taylor/M/Winder	14.39	0.5114	0.006514	0.4727	0.5432	0.5432
NPR	7	69	Systematic	02NPR-S0007-F069-01	02-Nov-12	J/Taylor/M/Winder	7.225	0.7332	0.004467	0.3224	0.4172	0.4172
NPR	8	1	Based	02NPR-S0008-F001-01	20-Mar-12	Ray Robertson	10.23	0.4635	0.08523	0.3345	0.3563	0.3563
NPR	8	2	Based	02NPR-S0008-F002-01	20-Mar-12	Ray Robertson	16.59	0.4619	0.008754	0.4062	0.3538	0.3538
NPR	8	3	Systematic	02NPR-S0008-F003-01	20-Mar-12	Ray Robertson	17.79	0.7396	0.02298	0.3357	0.5055	0.5055
NPR	8	4	Systematic	02NPR-S0008-F004-01	20-Mar-12	Ray Robertson	22.02	1.142	0.03361	0.3574	0.586	0.586
NPR	8	5	Systematic	02NPR-S0008-F005-01	20-Mar-12	Ray Robertson	22.48	0.86	0	0.4879	0.5993	0.5993
NPR	8	6	Systematic	02NPR-S0008-F006-01	20-Mar-12	Ray Robertson	15.63	0.753	0.003367	0.3568	0.4654	0.4654
NPR	8	7	Systematic	02NPR-S0008-F007-01	20-Mar-12	Ray Robertson	20.89	1.062	0.03326	0.5734	0.7284	0.7284
NPR	8	8	Systematic	02NPR-S0008-F008-01	20-Mar-12	Ray Robertson	10.85	0.898	0	0.2466	0.3062	0.3062
NPR	8	9	Systematic	02NPR-S0008-F009-01	20-Mar-12	Ray Robertson	19.75	0.4181	0.01431	0.5938	0.6163	0.6163
NPR	8	10	Systematic	02NPR-S0008-F010-01	20-Mar-12	Ray Robertson	6.647	0.3368	0.003348	0.3405	0.2864	0.2864
NPR	8	11	Systematic	02NPR-S0008-F011-01	20-Mar-12	Ray Robertson	14.76	0.7004	0.01891	0.5639	0.5523	0.5523

Area	Survey Unit	Sample Point	Sample Type	Sample ID	Date Collected	CCG Radiological Technician	On-Site Laboratory [pCi/g]				Off-Site Laboratory [pCi/g]			
							1	2	3	4	5	6	7	8
NPR	8	12	Systematic	02NPR-S0008-F012-01	20-Mar-12	Ray Roberson	7.6	0.4106	0.01558	0.3876	0.3842			
NPR	8	13	Systematic	02NPR-S0008-F013-01	20-Mar-12	Ray Roberson	7.446	0.5572	0.005382	0.1316	0.1788			
NPR	8	14	Systematic	02NPR-S0008-F014-01	20-Mar-12	Ray Roberson	13.7	0.5367	0.0002504	0.461	0.3541			
NPR	8	15	Systematic	02NPR-S0008-F015-01	20-Mar-12	Ray Roberson	9.2	1.372	0	0.1433	0.3339			
NPR	8	16	Systematic	02NPR-S0008-F016-01	20-Mar-12	Ray Roberson	10.18	0.521	0.1015	0.3462	0.3382			
NPR	8	17	Systematic	02NPR-S0008-F017-01	20-Mar-12	Ray Roberson	6.148	0.2883	0	0.1326	0.1466			
NPR	8	18	Systematic	02NPR-S0008-F018-01	20-Mar-12	Ray Roberson	9.668	1.051	0.01413	0.4337	0.3384			
NPR	8	19	Systematic	02NPR-S0008-F019-01	20-Mar-12	Ray Roberson	10.33	0.5413	-0.01	0.593	0.6043			
NPR	8	20	Systematic	02NPR-S0008-F020-01	20-Mar-12	Ray Roberson	10.05	0.7387	0.03273	0.1227	0.3978			
NPR	8	21	Systematic	02NPR-S0008-F021-01	20-Mar-12	Ray Roberson	6.577	0.218	0.03381	0.30336	0.324			
NPR	8	22	Systematic	02NPR-S0008-F022-01	20-Mar-12	Ray Roberson	6.708	0.4742	-0.003341	0.1273	0.2826			
NPR	8	23	Characterization	02NPR-S0008-F023-01	20-Apr-12	Joe Cunningham	8.291	0.629	0.0218	0.3592	0.4075			
NPR	8	24	Characterization	02NPR-S0008-F024-01	20-Apr-12	Joe Cunningham	9.068	0.2872	-0.0033712	0.1159	0.2874			
NPR	8	25	Characterization	02NPR-S0008-F025-01	20-Apr-12	Joe Cunningham	8.288	0.257	0.00955	0.04536	0.3301			
NPR	8	26	Characterization	02NPR-S0008-F026-01	20-Apr-12	Joe Cunningham	8.834	0.2725	0.0001059	0.06555	0.2194			
NPR	8	27	Characterization	02NPR-S0008-F027-01	20-Apr-12	Joe Cunningham	9.65	0.5286	0.04657	0.3301	0.3547			
NPR	8	28	Characterization	02NPR-S0008-F028-01	20-Apr-12	Joe Cunningham	8.243	0.3339	0.05781	0.3384	0.3695			
NPR	8	29	Characterization	02NPR-S0008-F029-01	20-Apr-12	Joe Cunningham	9.473	-0.2305	0.02772	0.3365	0.3035			
NPR	8	30	Post Remediation	02NPR-S0008-F030-01	01-May-12	Ray Roberson	12.13	0.1902	0.008337	0.3332	0.454			
NPR	8	31	Post Remediation	02NPR-S0008-F031-01	01-May-12	Ray Roberson	10.58	0.4347	-0.007061	0.4676	0.5156			
NPR	8	32	Systematic	02NPR-S0008-F032-01	31-May-12	Ray Roberson	1.937	0.69594	-0.001212	0.04871	0.1684			
NPR	8	33	Systematic	02NPR-S0008-F033-01	31-May-12	Ray Roberson	0.7828	-0.1665	0.01881	0.08627	0.08277			
NPR	8	34	Systematic	02NPR-S0008-F034-01	31-May-12	Ray Roberson	1.061	0.2693	0.009334	-0.0001145	0.1194			
NPR	8	35	Systematic	02NPR-S0008-F035-01	31-May-12	Ray Roberson	0.9234	0.2225	0	0.1188	0.1876			
NPR	8	36	Systematic	02NPR-S0008-F036-01	31-May-12	Ray Roberson	2.004	0.4195	-0.004758	0.04909	0.0725			
NPR	8	37	Systematic	02NPR-S0008-F037-01	31-May-12	Ray Roberson	1.132	0.2849	-0.005383	0.22773	0.1908			
NPR	8	38	Systematic	02NPR-S0008-F038-01	31-May-12	Ray Roberson	0.6315	0.1172	-0.00040218	0.1033	0.06921			
NPR	8	39	Systematic	02NPR-S0008-F039-01	31-May-12	Ray Roberson	1.258	0.2758	0.056263	0.05634	0.1785			
NPR	8	40	Systematic	02NPR-S0008-F040-01	31-May-12	Ray Roberson	1.469	-0.07547	0.0003182	0.0362	0.1261			
NPR	8	41	Systematic	02NPR-S0008-F041-01	31-May-12	Ray Roberson	0.9979	0.4165	0	0.07761	0.1752			
NPR	8	42	Systematic	02NPR-S0008-F042-01	31-May-12	Ray Roberson	0.9346	0.1841	-0.004913	0.08914	0.2			
NPR	8	43	Systematic	02NPR-S0008-F043-01	31-May-12	Ray Roberson	1.54	-0.01456	-0.00313	0.05463	0.0738			
NPR	8	44	Systematic	02NPR-S0008-F044-01	31-May-12	Ray Roberson	1.542	0	0.06731	0.1201	1.19			
NPR	8	45	Systematic	02NPR-S0008-F045-01	31-May-12	Ray Roberson	1.238	0.01633	0	0.08637	0.2684			
NPR	8	46	Systematic	02NPR-S0008-F046-01	31-May-12	Ray Roberson	1.464	0	0.001993	0.07479	1.781			
NPR	8	47	Systematic	02NPR-S0008-F047-01	31-May-12	Ray Roberson	1.131	0.3498	-0.004913	0.09405	0.03624			
NPR	8	48	Systematic	02NPR-S0008-F048-01	31-May-12	Ray Roberson	0.9271	0.3362	-0.002614	0.06878	0.1338			
NPR	8	49	Systematic	02NPR-S0008-F049-01	31-May-12	Ray Roberson	1.481	0.2473	0	0.1782	0.08971			
NPR	8	50	Systematic	02NPR-S0008-F050-01	31-May-12	Ray Roberson	1.472	0.4613	-0.006526	0.1177	0.1271			
NPR	8	51	Systematic	02NPR-S0008-F051-01	31-May-12	Ray Roberson	1.183	0.3082	0	0.1457	0.2437			
NPR	8	52	Systematic	02NPR-S0008-F052-01	01-Nov-12	J Taylor/M Winder	18.91	0.7771	0.01087	0.5675	0.7126			
NPR	8	53	Systematic	02NPR-S0008-F053-01	01-Nov-12	J Taylor/M Winder	10.8	0.5249	-0.003862	0.5053	0.316			
NPR	8	54	Systematic	02NPR-S0008-F054-01	01-Nov-12	J Taylor/M Winder	10.94	0.6169	0	0.3806	0.4251			
NPR	8	55	Systematic	02NPR-S0008-F055-01	01-Nov-12	J Taylor/M Winder	12.93	0.7901	0.005898	0.4816	0.5947			
NPR	8	56	Systematic	02NPR-S0008-F056-01	01-Nov-12	J Taylor/M Winder	9.876	0.4775	0.007066	0.3669	0.3394			
NPR	8	57	Systematic	02NPR-S0008-F057-01	01-Nov-12	J Taylor/M Winder	9.788	1.074	-0.01319	0.468	0.4343			
NPR	8	58	Systematic	02NPR-S0008-F058-01	01-Nov-12	J Taylor/M Winder	16.11	0.463	0.005829	0.6138	0.5224			
NPR	8	59	Systematic	02NPR-S0008-F059-01	01-Nov-12	J Taylor/M Winder	7.414	0.284	0.01376	0.1264	0.2887			
NPR	8	60	Systematic	02NPR-S0008-F060-01	01-Nov-12	J Taylor/M Winder	14.43	0.2992	0	0.09895	0.09164			
NPR	8	61	Systematic	02NPR-S0008-F061-01	01-Nov-12	J Taylor/M Winder	15.66	0.9218	0.0082908	0.5582	0.6598			
NPR	8	62	Systematic	02NPR-S0008-F062-01	01-Nov-12	J Taylor/M Winder	17.75	0.7328	-0.003361	0.5692	0.5697			
NPR	8	63	Systematic	02NPR-S0008-F063-01	01-Nov-12	J Taylor/M Winder	7.064	0.24	0.01123	0.1332	0.2625			

Area	Survey Unit	Sample Point	Sample Type	Sample ID	Date Collected	CCG Radiological Technician	Off-Site Laboratory [pCi/g]			
							5-125	5-250	5-375	5-500
NPR	8	64	Systematic	02NPR-S0008-F064-01	01-Nov-12	J Taylor/M Wunder	7.195	0.3861	0.02586	0.4445
NPR	8	65	Systematic	02NPR-S0008-F065-01	01-Nov-12	J Taylor/M Wunder	11.63	0.523	0.07012	0.4449
NPR	8	66	Systematic	02NPR-S0008-F066-01	01-Nov-12	J Taylor/M Wunder	8.685	0.6325	-0.001028	0.09729
NPR	8	67	Systematic	02NPR-S0008-F067-01	01-Nov-12	J Taylor/M Wunder	16.42	0.4652	-0.005614	0.2521
NPR	8	68	Systematic	02NPR-S0008-F068-01	01-Nov-12	J Taylor/M Wunder	18.23	1.023	0.0311	0.431
NPR	8	69	Systematic	02NPR-S0008-F069-01	01-Nov-12	J Taylor/M Wunder	7.027	0.3614	0.07245	0.1827
NPR	8	70	Systematic	02NPR-S0008-F070-01	01-Nov-12	J Taylor/M Wunder	7.503	0.9857	-0.004539	0.1977
NPR	8	71	Systematic	02NPR-S0008-F071-01	01-Nov-12	J Taylor/M Wunder	6.541	0.6724	0.02259	0.2554
NPR	9	1	Biased	02NPR-S0009-F001-01	23-Mar-12	Ray Roberson	21.57	0.7834	-0.000494	0.5663
NPR	9	2	Based	02NPR-S0009-F002-01	23-Mar-12	Ray Roberson	16.13	0.7768	0.02273	0.4348
NPR	9	3	Systematic	02NPR-S0009-F003-01	23-Mar-12	Ray Roberson	22.5	1.015	0.00505	0.4728
NPR	9	4	Systematic	02NPR-S0009-F004-01	23-Mar-12	Ray Roberson	20.89	0.5687	0.000949	0.6251
NPR	9	5	Systematic	02NPR-S0009-F005-01	23-Mar-12	Ray Roberson	26.18	0.9898	-0.006842	0.6944
NPR	9	6	Systematic	02NPR-S0009-F006-01	23-Mar-12	Ray Roberson	13.78	1.008	0.02256	0.6752
NPR	9	7	Systematic	02NPR-S0009-F007-01	23-Mar-12	Ray Roberson	9.705	1.053	0.00973	0.744
NPR	9	8	Systematic	02NPR-S0009-F008-01	23-Mar-12	Ray Roberson	23.79	0.754	0.01005	0.4667
NPR	9	9	Systematic	02NPR-S0009-F009-01	23-Mar-12	Ray Roberson	8.722	0.409	-0.003682	0.6835
NPR	9	10	Systematic	02NPR-S0009-F010-01	23-Mar-12	Ray Roberson	9.82	0.619	0	0.2693
NPR	9	11	Systematic	02NPR-S0009-F011-01	23-Mar-12	Ray Roberson	13	0.369	0.03778	0.474
NPR	9	12	Systematic	02NPR-S0009-F012-01	23-Mar-12	Ray Roberson	11.67	0.7784	0.02256	0.609
NPR	9	13	Systematic	02NPR-S0009-F013-01	23-Mar-12	Ray Roberson	24.63	0.5618	-0.01724	0.303
NPR	9	14	Systematic	02NPR-S0009-F014-01	23-Mar-12	Ray Roberson	12.16	0.5661	0.0002836	0.676
NPR	9	15	Systematic	02NPR-S0009-F015-01	23-Mar-12	Ray Roberson	11.25	0.9865	0.03518	0.348
NPR	9	16	Systematic	02NPR-S0009-F016-01	23-Mar-12	Ray Roberson	7.256	-0.04117	0.062323	0.319
NPR	9	17	Systematic	02NPR-S0009-F017-01	23-Mar-12	Ray Roberson	10.05	0.5612	-0.00246	0.1
NPR	9	18	Systematic	02NPR-S0009-F018-01	23-Mar-12	Ray Roberson	9.744	0.3872	0.03256	0.367
NPR	9	19	Systematic	02NPR-S0009-F019-01	23-Mar-12	Ray Roberson	13.23	0.4718	0.1028	0.368
NPR	9	20	Systematic	02NPR-S0009-F020-01	23-Mar-12	Ray Roberson	8.294	1.005	-0.004591	0.2734
NPR	9	21	Systematic	02NPR-S0009-F021-01	23-Mar-12	Ray Roberson	8.977	0.2101	0	0.2747
NPR	9	22	Systematic	02NPR-S0009-F022-01	23-Mar-12	Ray Roberson	7.33	0.2837	-0.002676	0.1811
NPR	9	23	Systematic	02NPR-S0009-F023-01	26-Jul-12	Joe Cunningham	7.628	0.589	0.01585	0.2663
NPR	10	1	Biased	02NPR-S0010-F001-01	22-Mar-12	Ray Roberson	20.29	0.6785	0.006007	0.4965
NPR	10	2	Based	02NPR-S0010-F002-01	22-Mar-12	Ray Roberson	25.15	0.9764	0.0008236	0.6019
NPR	10	3	Systematic	02NPR-S0010-F003-01	22-Mar-12	Ray Roberson	22.21	0.7281	0	0.5743
NPR	10	4	Systematic	02NPR-S0010-F004-01	22-Mar-12	Ray Roberson	8.129	0.4927	0.002939	0.2472
NPR	10	5	Systematic	02NPR-S0010-F005-01	22-Mar-12	Ray Roberson	21.87	0	0	0.3078
NPR	10	6	Systematic	02NPR-S0010-F006-01	22-Mar-12	Ray Roberson	21.21	0.7082	0.004968	0.5793
NPR	10	7	Systematic	02NPR-S0010-F007-01	22-Mar-12	Ray Roberson	23.88	1.084	0.009886	0.5716
NPR	10	8	Systematic	02NPR-S0010-F008-01	22-Mar-12	Ray Roberson	6.029	0	0.003649	0.1115
NPR	10	9	Systematic	02NPR-S0010-F009-01	22-Mar-12	Ray Roberson	12.51	0.6635	0.0158	0.454
NPR	10	10	Systematic	02NPR-S0010-F010-01	22-Mar-12	Ray Roberson	8.211	0.7445	0.002413	0.2656
NPR	10	11	Systematic	02NPR-S0010-F011-01	22-Mar-12	Ray Roberson	12.02	0.5267	0.01141	0.2957
NPR	10	12	Systematic	02NPR-S0010-F012-01	22-Mar-12	Ray Roberson	20.07	0.756	0.0003937	0.3785
NPR	10	13	Systematic	02NPR-S0010-F013-01	22-Mar-12	Ray Roberson	12.65	0.7291	0.01328	0.4845
NPR	10	14	Systematic	02NPR-S0010-F014-01	22-Mar-12	Ray Roberson	9.99	0.9019	0.010265	0.4236
NPR	10	15	Systematic	02NPR-S0010-F015-01	22-Mar-12	Ray Roberson	6.374	0.2811	-0.008514	0.1898
NPR	10	16	Systematic	02NPR-S0010-F016-01	22-Mar-12	Ray Roberson	8.387	-0.003364	0.00762	0.1766
NPR	10	17	Systematic	02NPR-S0010-F017-01	22-Mar-12	Ray Roberson	19.23	0.7533	0.01825	0.5409
NPR	10	18	Systematic	02NPR-S0010-F018-01	22-Mar-12	Ray Roberson	21.55	0.7939	0.01367	0.371
NPR	10	19	Systematic	02NPR-S0010-F019-01	22-Mar-12	Ray Roberson	7.232	0.5372	0.003082	0.2756
NPR	10	20	Systematic	02NPR-S0010-F020-01	22-Mar-12	Ray Roberson	5.682	0.1872	0.00157	0.0741
NPR	10	21	Systematic	02NPR-S0010-F021-01	22-Mar-12	Ray Roberson	7.186	0.1795	0.004648	0.2271

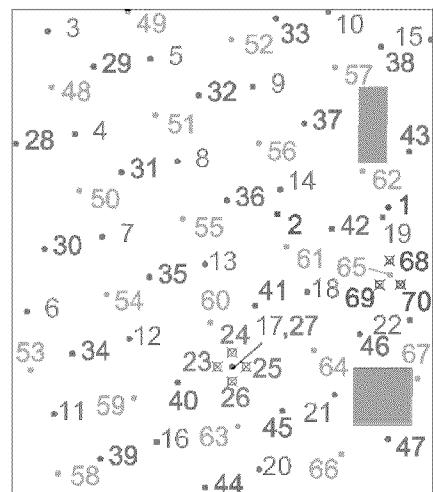
Area	Survey Unit	Sample Point	Sample Type	Sample ID	Date Collected	CCG Radiological Technician	On-Site Laboratory [pCi/g]			
							5-125	5-250	5-375	5-500
NPR	11	1	Systematic	02NPR-S0011-F001-01	23-Mar-12	Ray Roberson	11.11	0.7834	-0.000494	0.5663
NPR	11	2	Based	02NPR-S0011-F002-01	23-Mar-12	Ray Roberson	16.13	0.7768	0.02273	0.4348
NPR	11	3	Systematic	02NPR-S0011-F003-01	23-Mar-12	Ray Roberson	22.5	1.015	0.00505	0.4728
NPR	11	4	Systematic	02NPR-S0011-F004-01	23-Mar-12	Ray Roberson	20.89	0.5687	0.000949	0.6251
NPR	11	5	Systematic	02NPR-S0011-F005-01	23-Mar-12	Ray Roberson	26.18	0.9898	-0.006842	0.6944
NPR	11	6	Systematic	02NPR-S0011-F006-01	23-Mar-12	Ray Roberson	13.78	1.008	0.02256	0.6752
NPR	11	7	Systematic	02NPR-S0011-F007-01	23-Mar-12	Ray Roberson	9.705	1.053	0.00973	0.744
NPR	11	8	Systematic	02NPR-S0011-F008-01	23-Mar-12	Ray Roberson	23.79	0.754	0.01005	0.4667
NPR	11	9	Systematic	02NPR-S0011-F009-01	23-Mar-12	Ray Roberson	8.722	0.409	-0.003682	0.1676
NPR	11	10	Systematic	02NPR-S0011-F010-01	23-Mar-12	Ray Roberson	9.82	0.619	0	0.2693
NPR	11	11	Systematic	02NPR-S0011-F011-01	23-Mar-12	Ray Roberson	13	0.369	0.03778	0.474
NPR	11	12	Systematic	02NPR-S0011-F012-01	23-Mar-12	Ray Roberson	11.67	0.7784	0.02253	0.609
NPR	11	13	Systematic	02NPR-S0011-F013-01	23-Mar-12	Ray Roberson	24.63	0.5618	0.01724	0.394
NPR	11	14	Systematic	02NPR-S0011-F014-01	23-Mar-12	Ray Roberson	12.16	0.5661	0.0002836	0.394
NPR	11	15	Systematic	02NPR-S0011-F015-01	23-Mar-12	Ray Roberson	11.25	0.9865	0.03518	0.348
NPR	11	16	Systematic	02NPR-S0011-F016-01	23-Mar-12	Ray Roberson	7.256	-0.04117	0.062323	0.319
NPR	11	17	Systematic	02NPR-S0011-F017-01	23-Mar-12	Ray Roberson	10.05	0.5612	-0.00246	0.1
NPR	11	18	Systematic	02NPR-S0011-F018-01	23-Mar-12	Ray Roberson	9.744	0.3872	0.03256	0.367
NPR	11	19	Systematic	02NPR-S0011-F019-01	23-Mar-12	Ray Roberson	13.23	0.4718	0.1028	0.368
NPR	11	20	Systematic	02NPR-S0011-F020-01	23-Mar-12	Ray Roberson	8.294	1.005	-0.004591	0.2734
NPR	11	21	Systematic	02NPR-S0011-F021-01	23-Mar-12	Ray Roberson	8.977	0.2101	0	0.2747
NPR	11	22	Systematic	02NPR-S0011-F022-01	23-Mar-12	Ray Roberson	7.33	0.2837	-0.002676	0.1811
NPR	11	23	Systematic	02NPR-S0011-F023-01	26-Jul-12	Joe Cunningham	7.628	0.589	0.01585	0.2663
NPR	11	24	Biased	02NPR-S0011-F024-01	22-Mar-12	Ray Roberson	20.29	0.6785	0.006007	0.4965
NPR	11	25	Based	02NPR-S0011-F025-01	22-Mar-12	Ray Roberson	25.15	0.9764	0.0008236	0.6019
NPR	11	26	Systematic	02NPR-S0011-F026-01	22-Mar-12	Ray Roberson	22.21	0.7281	0	0.5743
NPR	11	27	Systematic	02NPR-S0011-F027-01	22-Mar-12	Ray Roberson	8.129	0.4927	0.002939	0.2472
NPR	11	28	Systematic	02NPR-S0011-F028-01	22-Mar-12	Ray Roberson	21.87	0	0	0.3078
NPR	11	29	Systematic	02NPR-S0011-F029-01	22-Mar-12	Ray Roberson	21.21	0.7082	0.004968	0.5793
NPR	11	30	Systematic	02NPR-S0011-F030-01	22-Mar-12	Ray Roberson	23.88	1.084	0.009886	0.5716
NPR	11	31	Systematic	02NPR-S0011-F031-01	22-Mar-12	Ray Roberson	6.029	0	0.003649	0.1115
NPR	11	32	Systematic	02NPR-S0011-F032-01	22-Mar-12	Ray Roberson	12.51	0.6635	0.0158	0.454
NPR	11	33	Systematic	02NPR-S0011-F033-01	22-Mar-12	Ray Roberson	8.211	0.7445	0.002413	0.2656
NPR	11	34	Systematic	02NPR-S0011-F034-01	22-Mar-12	Ray Roberson	10.05	0.5267	0.01141	0.2957
NPR	11	35	Systematic	02NPR-S0011-F035-01	22-Mar-12	Ray Roberson	20.07	0.756	0.0003937	0.3785
NPR	11	36	Systematic	02NPR-S0011-F036-01	22-Mar-12	Ray Roberson	12.65	0.7291	0.01328	0.4845
NPR	11</td									

Area	Survey Point	Sample Type	Sample ID	Date Collected	On-Site Laboratory [pCi/g]				Off-Site Laboratory [pCi/g]			
					CS-226	CS-228	CS-232	CS-234	CS-226	CS-228	CS-232	CS-234
NPR	10	22	Systematic	02NPR-S0010-F022-01	22-Mar-12	Ray Roberson	9.381	0.6213	0	0.2476	0.295	0.4631
NPR	10	23	Characterization	02NPR-S0010-F023-01	20-Apr-12	Joe Cunningham	12.07	0.7697	0.06063	0.375	0.474	
NPR	10	24	Characterization	02NPR-S0010-F024-01	20-Apr-12	Joe Cunningham	11.9	0.3375	0.0431	0.4349		
NPR	10	25	Characterization	02NPR-S0010-F025-01	20-Apr-12	Joe Cunningham	13.28	0.291	0.08269	0.4161	0.3279	
NPR	10	26	Post-Remediation	02NPR-S0010-F026-01	01-May-12	Ray Roberson	22.62	0.7754	0.07525	0.5631	0.7483	
NPR	10	27	Systematic	02NPR-S0010-F027-01	31-May-12	Ray Roberson	0.6833	0.1434	-0.0107	0.09333	0.06932	1.25
NPR	10	28	Systematic	02NPR-S0010-F028-01	31-May-12	Ray Roberson	1.251	0.2882	0.0065249	0.09179	0.00878	0.183
NPR	10	29	Systematic	02NPR-S0010-F029-01	31-May-12	Ray Roberson	0.806	0.1184	-0.00678	0.03678	0.00842	-0.0351
NPR	10	30	Systematic	02NPR-S0010-F030-01	31-May-12	Ray Roberson	0.9158	-0.1069	-0.006464	0.1221	0.1894	0.115
NPR	10	31	Systematic	02NPR-S0010-F031-01	31-May-12	Ray Roberson	1.222	-0.0001456	0	0.08415	0.03793	0.145
NPR	10	32	Systematic	02NPR-S0010-F032-01	31-May-12	Ray Roberson	1.094	0.06098	0.0033557	0.05481	0.05885	0.245
NPR	10	33	Systematic	02NPR-S0010-F033-01	31-May-12	Ray Roberson	0.9647	0.1142	0.00404	0.1511	0.144	0.227
NPR	10	34	Systematic	02NPR-S0010-F034-01	31-May-12	Ray Roberson	0.6492	0.2877	0.005153	0.06135	0.0384	0.0384
NPR	10	35	Systematic	02NPR-S0010-F035-01	31-May-12	Ray Roberson	1.011	0.1667	-0.004119	0	0.00207	-0.0185
NPR	10	36	Systematic	02NPR-S0010-F036-01	31-May-12	Ray Roberson	0.6955	0.1825	-0.002526	0.02541	0.00114	0.0403
NPR	10	37	Systematic	02NPR-S0010-F037-01	31-May-12	Ray Roberson	0.7935	0.1306	0.0003526	0.09417	0.0787	0.0787
NPR	10	38	Systematic	02NPR-S0010-F038-01	31-May-12	Ray Roberson	1.091	0.1854	0.0007621	0.04725	0.161	0.114
NPR	10	39	Systematic	02NPR-S0010-F039-01	31-May-12	Ray Roberson	0.7188	0.3153	0.0003057	0.105	0.1524	0.234
NPR	10	40	Systematic	02NPR-S0010-F040-01	31-May-12	Ray Roberson	0.5535	0.107	0	0.04784	0.03953	1.36
NPR	10	41	Systematic	02NPR-S0010-F041-01	31-May-12	Ray Roberson	0.8721	0.1425	0	0.09018	0.04439	0.207
NPR	10	42	Systematic	02NPR-S0010-F042-01	31-May-12	Ray Roberson	0.6762	0.4663	-0.008189	0.1209	0.1566	0.207
NPR	10	43	Systematic	02NPR-S0010-F043-01	31-May-12	Ray Roberson	0.4261	0.1619	0.0002431	0.07346	-0.219	0.0268
NPR	10	44	Systematic	02NPR-S0010-F044-01	31-May-12	Ray Roberson	1.36	0.3364	0.001372	0.05341	0.1982	0.0677
NPR	10	45	Systematic	02NPR-S0010-F045-01	31-May-12	Ray Roberson	1.35	0.4059	-0.004177	0.07377	0.1515	0.159
NPR	10	46	Systematic	02NPR-S0010-F046-01	31-May-12	Ray Roberson	0.8902	0.01059	-0.000561	0.0672	0.0263	0.0446
NPR	10	47	Systematic	02NPR-S0010-F047-01	31-Oct-12	Jane Taylor	14.23	0.8226	0	0.4883	0.4369	0.4187
NPR	10	48	Systematic	02NPR-S0010-F048-01	31-Oct-12	Jane Taylor	11.57	0.7266	0.02279	0.4374	0.3718	
NPR	10	49	Systematic	02NPR-S0010-F049-01	31-Oct-12	Jane Taylor	11.74	0.8703	0	0.4883	0.4369	0.4187
NPR	10	50	Systematic	02NPR-S0010-F050-01	31-Oct-12	Jane Taylor	12.6	0.5098	0.003433	0.3722	0.5953	
NPR	10	51	Systematic	02NPR-S0010-F051-01	31-Oct-12	Jane Taylor	9.3	0.279	0.005266	0.1725	0.2899	
NPR	10	52	Systematic	02NPR-S0010-F052-01	31-Oct-12	Jane Taylor	7.858	0.5698	0.0176	0.2841	0.1399	
NPR	10	53	Systematic	02NPR-S0010-F053-01	31-Oct-12	Jane Taylor	7.347	0.4667	0.01041	0.1955	0.1878	
NPR	10	54	Systematic	02NPR-S0010-F054-01	31-Oct-12	Jane Taylor	7.815	0.5593	-0.005018	0.2884	0.3019	
NPR	10	55	Systematic	02NPR-S0010-F055-01	31-Oct-12	Jane Taylor	14.67	1.03	0.01024	0.2167	0.3451	
NPR	10	56	Systematic	02NPR-S0010-F056-01	31-Oct-12	Jane Taylor	6.409	0.3325	0.001945	0.07646	0.1466	
NPR	10	57	Systematic	02NPR-S0010-F057-01	31-Oct-12	Jane Taylor	7.624	0.6869	0	0.09332	0.2438	
NPR	10	58	Systematic	02NPR-S0010-F058-01	31-Oct-12	Jane Taylor	7.358	0.3283	0.006923	0.221	0.2263	
NPR	10	59	Systematic	02NPR-S0010-F059-01	31-Oct-12	Jane Taylor	8.012	0.4138	0	0.2028	0.2255	
NPR	10	60	Systematic	02NPR-S0010-F060-01	31-Oct-12	Jane Taylor	7.118	0.6714	0	0	0.217	
NPR	10	61	Systematic	02NPR-S0010-F061-01	31-Oct-12	Jane Taylor	6.339	0.07396	0	0.1617	0.2319	
NPR	10	62	Systematic	02NPR-S0010-F062-01	31-Oct-12	Jane Taylor	8.099	0.571	0	0.2031	0.2897	
NPR	10	63	Systematic	02NPR-S0010-F063-01	31-Oct-12	Jane Taylor	9.678	0.5663	0.01302	0.1993	0.2859	
NPR	10	64	Systematic	02NPR-S0010-F064-01	31-Oct-12	Jane Taylor	6.338	0.2462	-0.0003313	0.0869	0.08067	
NPR	10	65	Systematic	02NPR-S0010-F065-01	31-Oct-12	Jane Taylor	4.76	0.2164	-0.003095	0.02739	0.06509	
NPR	10	66	Systematic	02NPR-S0010-F066-01	31-Oct-12	Jane Taylor	21.04	1.078	0.0003142	0.7597	0.644	

Area	Survey Unit	Sample point	Sample Type	Barcode ID	Bottle Collected	COC Radiochemical Technician	On-Site Laboratory [pCi/g]			Off-Site Laboratory [pCi/g]		
							1	2	3	4	5	6
NPR	11	1	Based	02NPR-S0011-F001-01	21-Mar-12	Ray Roberson	20.62	0.8344	0	0.3923	0.5742	
NPR	11	2	Based	02NPR-S0011-F002-01	21-Mar-12	Ray Roberson	21.17	0.8241	0.009609	0.492	0.6095	
NPR	11	3	Systematic	02NPR-S0011-F003-01	21-Mar-12	Ray Roberson	17.35	0.7073	0.02243	0.3705	0.5699	16.2
NPR	11	4	Systematic	02NPR-S0011-F004-01	21-Mar-12	Ray Roberson	18.9	0.7609	0.01505	0.5162	0.5659	16.8
NPR	11	5	Systematic	02NPR-S0011-F005-01	21-Mar-12	Ray Roberson	22.38	1.032	-0.008317	0.5256	0.6765	18.5
NPR	11	6	Systematic	02NPR-S0011-F006-01	21-Mar-12	Ray Roberson	24.53	0.8891	-0.011114	0.733	0.7075	26.3
NPR	11	7	Systematic	02NPR-S0011-F007-01	21-Mar-12	Ray Roberson	9.392	0.3841	0.004186	0.2195	0.4954	8.17
NPR	11	8	Systematic	02NPR-S0011-F008-01	21-Mar-12	Ray Roberson	25.05	1.023	0.064033	0.5411	0.7411	20.7
NPR	11	9	Systematic	02NPR-S0011-F009-01	21-Mar-12	Ray Roberson	23.61	1.009	0	0.5628	0.7617	18.5
NPR	11	10	Systematic	02NPR-S0011-F010-01	21-Mar-12	Ray Roberson	18.09	1.131	-0.009392	0.7797	0.9428	16.2
NPR	11	11	Systematic	02NPR-S0011-F011-01	21-Mar-12	Ray Roberson	11.85	0.601	0.01005	0.4899	0.5222	8.94
NPR	11	12	Systematic	02NPR-S0011-F012-01	21-Mar-12	Ray Roberson	12.72	0.8059	-0.009669	0.3328	0.5829	11
NPR	11	13	Systematic	02NPR-S0011-F013-01	21-Mar-12	Ray Roberson	8.351	0.4474	-0.0001683	0.2201	0.4751	8.49
NPR	11	14	Systematic	02NPR-S0011-F014-01	21-Mar-12	Ray Roberson	20.64	1.168	0.03255	0.6401	0.5982	17.2
NPR	11	15	Systematic	02NPR-S0011-F015-01	21-Mar-12	Ray Roberson	11.77	1.143	0.01194	0.3707	0.4143	10.4
NPR	11	16	Systematic	02NPR-S0011-F016-01	21-Mar-12	Ray Roberson	14.89	0.7449	0.04492	0.3756	0.4204	15.2
NPR	11	17	Systematic	02NPR-S0011-F017-01	21-Mar-12	Ray Roberson	8.834	-0.2215	0	0.2512	0.3523	9.28
NPR	11	18	Systematic	02NPR-S0011-F018-01	21-Mar-12	Ray Roberson	15.5	1.038	0.0155	0.7	0.7635	12.8
NPR	11	19	Systematic	02NPR-S0011-F019-01	21-Mar-12	Ray Roberson	9.502	0.6918	0.01187	0.481	0.3853	7.27
NPR	11	20	Systematic	02NPR-S0011-F020-01	21-Mar-12	Ray Roberson	8.227	0.643	0.000957	0.1788	0.1434	6.41
NPR	11	21	Systematic	02NPR-S0011-F021-01	21-Mar-12	Ray Roberson	10.99	0.5879	0.0283	0.4605	0.4887	9.9
NPR	11	22	Systematic	02NPR-S0011-F022-01	21-Mar-12	Ray Roberson	4.688	-0.3132	0.009596	0.1495	0.174	6.62
NPR	11	23	Characterization	02NPR-S0011-F023-01	01-May-12	Ray Roberson	9.044	0.4833	0.0123	0.1986	0.3766	
NPR	11	24	Characterization	02NPR-S0011-F024-01	01-May-12	Ray Roberson	13.03	0.8089	0.0632	0.4108	0.4596	
NPR	11	25	Characterization	02NPR-S0011-F025-01	01-May-12	Ray Roberson	12.62	0.5318	0.02155	0.4883	0.5334	
NPR	11	26	Post-Remediation	02NPR-S0011-F026-01	09-May-12	Joe Cunningham	16.94	1.12	0.08753	0.4849	0.5502	
NPR	11	27	Systematic	02NPR-S0011-F027-01	31-May-12	Ray Roberson	1.856	0.3806	0.004441	0.1239	0.1979	
NPR	11	28	Systematic	02NPR-S0011-F028-01	31-May-12	Ray Roberson	1.343	0.1962	0.007878	0.0734	0.1758	
NPR	11	29	Systematic	02NPR-S0011-F029-01	31-May-12	Ray Roberson	1.147	0.1606	0.007908	0.05789	0.1973	
NPR	11	30	Systematic	02NPR-S0011-F030-01	31-May-12	Ray Roberson	1.084	0.1155	0.005199	0.06314	0.07671	
NPR	11	31	Systematic	02NPR-S0011-F031-01	31-May-12	Ray Roberson	1.655	0.2181	0.01352	0.07604	0.05306	
NPR	11	32	Systematic	02NPR-S0011-F032-01	31-May-12	Ray Roberson	1.195	0.3406	0.002224	-0.005852	0.183	
NPR	11	33	Systematic	02NPR-S0011-F033-01	31-May-12	Ray Roberson	1.553	0.6204	0.00093543	0.1141	0.01266	
NPR	11	34	Systematic	02NPR-S0011-F034-01	31-May-12	Ray Roberson	1.298	0	0.001312	0.0504	0.1889	
NPR	11	35	Systematic	02NPR-S0011-F035-01	31-May-12	Ray Roberson	1.354	0.3353	-0.007342	0.07856	0.0622	
NPR	11	36	Systematic	02NPR-S0011-F036-01	31-May-12	Ray Roberson	1.117	0.5995	-0.00221	0.054	0.1572	
NPR	11	37	Systematic	02NPR-S0011-F037-01	31-May-12	Ray Roberson	0.6837	0.1337	0.002933	0.2482	0.08487	
NPR	11	38	Systematic	02NPR-S0011-F038-01	31-May-12	Ray Roberson	1.06	0.1437	0	0.07284	0.07564	
NPR	11	39	Systematic	02NPR-S0011-F039-01	31-May-12	Ray Roberson	0.9402	-0.03834	0	0.09427	0.07816	
NPR	11	40	Systematic	02NPR-S0011-F040-01	31-May-12	Ray Roberson	0.8305	0	0.005108	0.1889	0.1718	
NPR	11	41	Systematic	02NPR-S0011-F041-01	31-May-12	Ray Roberson	0.6744	-0.006658	0.006643	0.06961	0.125	
NPR	11	42	Systematic	02NPR-S0011-F042-01	31-May-12	Ray Roberson	2.071	0.2002	0.01107	0.068897	0.1	
NPR	11	43	Systematic	02NPR-S0011-F043-01	31-May-12	Ray Roberson	0.8713	0.2076	0.0007423	0.04136	0.09326	
NPR	11	44	Systematic	02NPR-S0011-F044-01	31-May-12	Ray Roberson	1.102	0.3324	0.0006302	0.0374	0.1811	
NPR	11	45	Systematic	02NPR-S0011-F045-01	31-May-12	Ray Roberson	2.274	-0.01217	0.005658	0.08534	0.0887	
NPR	11	46	Systematic	02NPR-S0011-F046-01	31-May-12	Ray Roberson	1.303	0.1865	0.007445	0.07097	0.08395	
NPR	11	47	Systematic	02NPR-S0011-F047-01	30-Oct-12	J Taylor/M Winder	14.06	0.6371	0.005656	0.4196	0.4685	
NPR	11	48	Systematic	02NPR-S0011-F048-01	30-Oct-12	J Taylor/M Winder	12.14	0.2555	0.005146	0.4333	0.409	
NPR	11	49	Systematic	02NPR-S0011-F049-01	30-Oct-12	J Taylor/M Winder	9.099	0.25	-0.001031	0.1485	0.4051	
NPR	11	50	Systematic	02NPR-S0011-F050-01	30-Oct-12	J Taylor/M Winder	16.97	0.6765	-0.004835	0.5016	0.5628	
NPR	11	51	Systematic	02NPR-S0011-F051-01	30-Oct-12	J Taylor/M Winder	13.41	1.043	0.0087397	0.4005	0.4926	
NPR	11	52	Systematic	02NPR-S0011-F052-01	30-Oct-12	J Taylor/M Winder	8.479	-0.03818	0.008437	0.3315	0.2834	

Area	Survey Unit	Sample Point	Sample Type	Sample ID	Date Collected	CCG Radiotracers	On-Site Laboratory [pCi/g]			Off-Site Laboratory [pCi/g]		
							Re-226	Bk-248	Cs-137	Re-228	Bk-244	Cs-137
NPR	11	53	Systematic	02NPR-S0011-F0653-01	30-Oct-12	J Taylor/M Winder	7.729	0.7058	-0.001774	0.2842	0.2897	0.3227
NPR	11	54	Systematic	02NPR-S0011-F0644-01	30-Oct-12	J Taylor/M Winder	7.245	0.3639	0.005391	0.1395	0.1395	0.4314
NPR	11	55	Systematic	02NPR-S0011-F0656-01	30-Oct-12	J Taylor/M Winder	8.09	0.7814	-0.00497	0.2325	0.2862	0.3717
NPR	11	56	Systematic	02NPR-S0011-F0656-01	30-Oct-12	J Taylor/M Winder	7.659	0.4121	-0.006429	0.1812	0.1812	0.3676
NPR	11	57	Systematic	02NPR-S0011-F067-01	30-Oct-12	J Taylor/M Winder	7.622	0.7293	-0.008737	0.297	0.297	0.3905
NPR	11	58	Systematic	02NPR-S0011-F068-01	30-Oct-12	J Taylor/M Winder	13.23	0.8045	0.009238	0.4011	0.4011	0.505
NPR	11	59	Systematic	02NPR-S0011-F069-01	30-Oct-12	J Taylor/M Winder	10.76	0.7667	0.01065	0.1496	0.1496	0.2622
NPR	11	60	Systematic	02NPR-S0011-F066-01	30-Oct-12	J Taylor/M Winder	5.482	0.2624	0.01339	0.101	0.101	0.2512
NPR	11	61	Systematic	02NPR-S0011-F061-01	30-Oct-12	J Taylor/M Winder	9.871	0.731	0.002692	0.3444	0.3444	0.3717
NPR	11	62	Systematic	02NPR-S0011-F062-01	30-Oct-12	J Taylor/M Winder	7.096	0.4656	0.004129	0.3798	0.3798	0.356
NPR	11	63	Systematic	02NPR-S0011-F063-01	30-Oct-12	J Taylor/M Winder	7.92	0.8474	0	0.2266	0.2266	0.1184
NPR	11	64	Systematic	02NPR-S0011-F064-01	30-Oct-12	J Taylor/M Winder	7.835	0.3401	-0.007842	0.1825	0.1825	0.1433
NPR	11	65	Systematic	02NPR-S0011-F065-01	30-Oct-12	J Taylor/M Winder	10.78	0.8368	0	0.379	0.379	0.4846
NPR	11	66	Systematic	02NPR-S0011-F066-01	30-Oct-12	J Taylor/M Winder	4.761	0.2135	-0.001662	0.04619	0.04619	0.04502

Highlighted Activities: Re-226 ≥ 1.633 (On-site) & 1.375 (Off-site); Cs-137 ≥ 0.113 ; Bk-244 ≥ 1.485 ; Pb-214 ≥ 1.465 (pCi/g)



LEGEND:

- 1 BIASED 1 2
 - 3 SYSTEMATIC 1 5 22
 - ☒ 23 CHARACTERIZATION 23 26
 - 27 POST-PFMEDICATION 27
 - 28 SYSTEMATIC 2 28 47
 - 48 SYSTEMATIC 3 48 67
 - ☒ 68 CHARACTERIZATION 2 68 70
 - CONCERN
 - (AREA PREVIOUSLY PFMEDICATED

SU-01

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**HUNTERS POINT SHIPYARD
SAN FRANCISCO, CA**
P.O. BOX 884856
SAN FRANCISCO, CA 94188

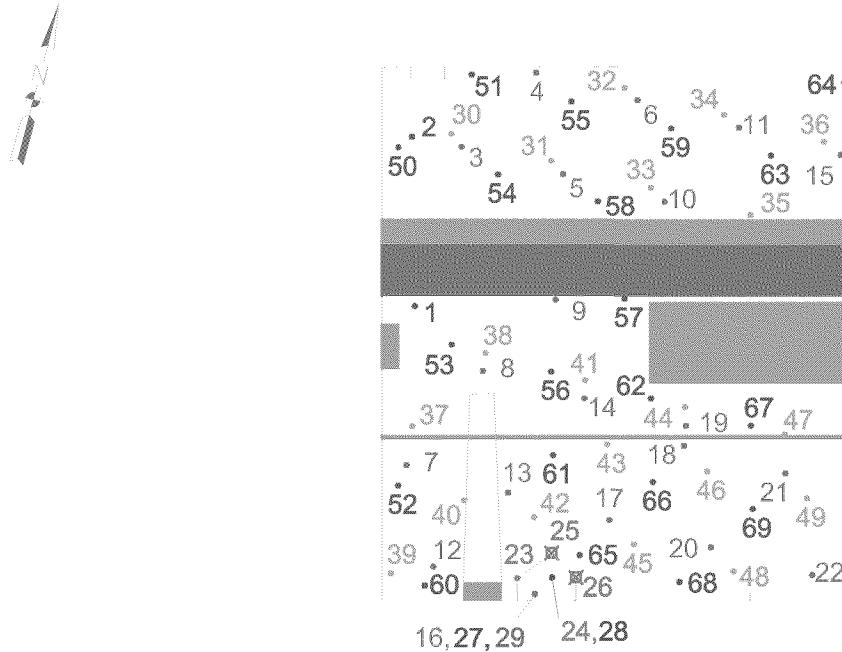
**NORTH PIER WA-32
SURVEY UNIT 01**

RECORD COPY



TETRA TECH EC-TNG

TETRA TECH INC.
1230 COLUMBIA STREET, SUITE 750
SAN DIEGO, CA 92101
TEL: (719) 234-8690 FAX: (719) 234-86



SU-07

CLASS 1

1/1.47 m² (8504.08 ft²)

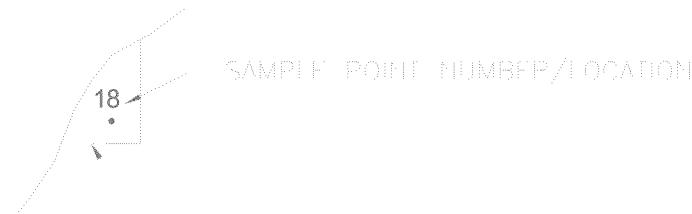
LEGEND:

- 1 BIASED 1-2
- 3 SYSTEMATIC 1-3 22
- 23 CHARACTERIZATION 23-24
- ☒ 25 CHARACTERIZATION 2-25 26
- 27 POST-PFMEDIATION 27-28
- 29 POST-PFMEDIATION 2-29
- 30 SYSTEMATIC 2-30 49
- 50 SYSTEMATIC 5-50 69

/ PREVIOUSLY PFMEDIATED APFA

████ ROCK

████ CONCRETE



SURVEY UNIT

RECORD COPY

SCALE 1:40

HUNTERS POINT SHIPYARD
SAN FRANCISCO, CA
P.O. BOX 884856
SAN FRANCISCO, CA 94186

NORTH PIER WA-32
SURVEY UNIT 07



TETRA TECH EC, INC
1230 COLUMBIA STREET, SUITE 750
SAN DIEGO, CA 92101
TEL: (619) 234-8690 FAX: (619) 234-8591

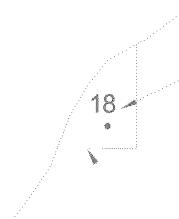


LEGEND:

- 1 BIASED 1-2
- 3 SYSTEMATIC 1-3 22
- 23 CHAPACTERIZATION 23-29
- 25 POST PEMEDIATION 30-31
- 32 SYSTEMATIC 2-32 51
- 52 SYSTEMATIC 3-52 71

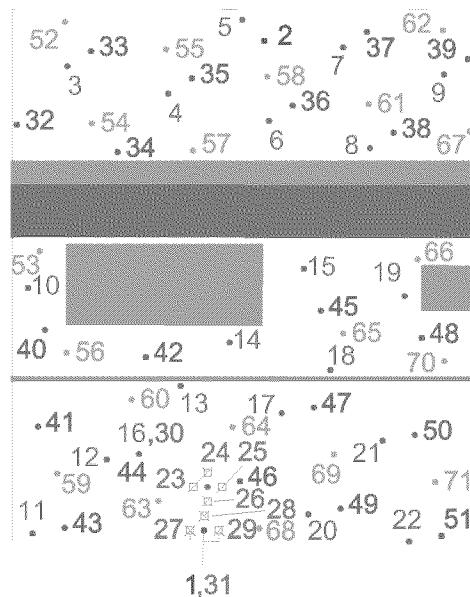
/ AREA PREVIOUSLY PEMDIATED

- POCK
- CONCRETE



SAMPLE POINT NUMBER/LOCATION

SURVEY UNIT



SU-08
CLASS 1
/ 67,33 m² (8259.56 ft²)

RECORD COPY

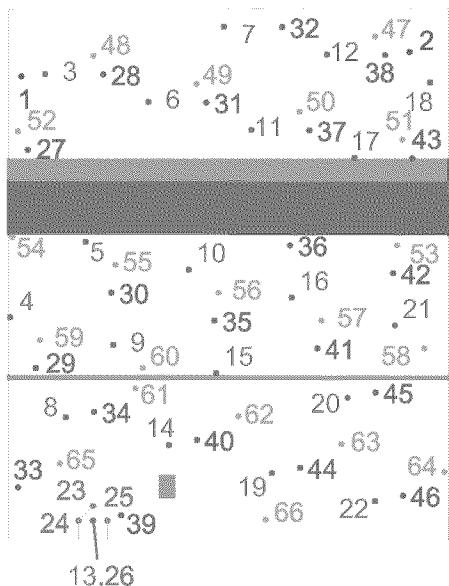
SCALE 1:40

HUNTERS POINT SHIPYARD
SAN FRANCISCO, CA
P.O. BOX 884856
SAN FRANCISCO, CA 94186

NORTH PIER WA-32
SURVEY UNIT 08



TETRA TECH EC, INC
1230 COLUMBIA STREET, SUITE 750
SAN DIEGO, CA 92101
TEL: (619) 234-8690 FAX: (619) 234-8591



SU-10

LEGEND:

- 1 BIASED 1 2
 - 3 SYSTEMATIC 1 3 22
 - 23 CHARACTERIZATION 25 25
 - 26 POST-PHMEDIATION 26
 - 32 SYSTEMATIC 2 27 46
 - 47 SYSTEMATIC 3 47 66

RECORD COPY

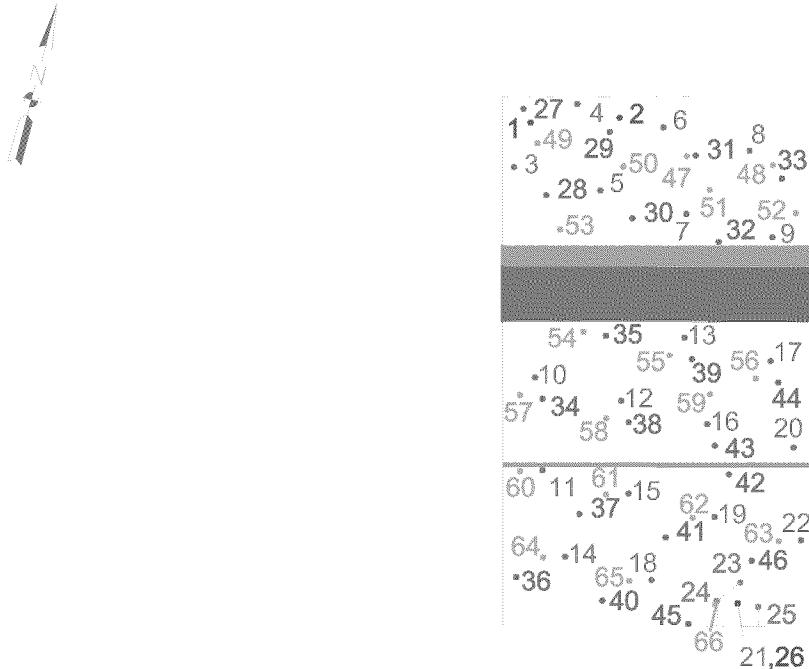
**HUNTERS POINT SHIPYARD
SAN FRANCISCO, CA**
P.O. BOX 584836
SAN FRANCISCO, CA 94158

**NORTH PIER WA-32
SURVEY UNIT 10**



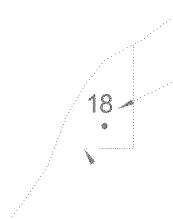
TETRA TECH EC, INC

1230 COLUMBIA STREET, SUITE 750
SAN DIEGO, CA 92101
TEL: (619) 234-8690 FAX: (619) 234-85



LEGEND:

- 1 BIASED 1 2
 - 3 SYSTEMATIC 3 22
 - 23 CHARACTERIZATION 23 25
 - 26 POST-PREMEDIATION 26
 - 32 SYSTEMATIC 2 27 46
 - 47 SYSTEMATIC 3 47 56



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P.O. BOX 584836
SAN FRANCISCO, CA 94158

**NORTH PIER WA-32
SURVEY UNIT 11**



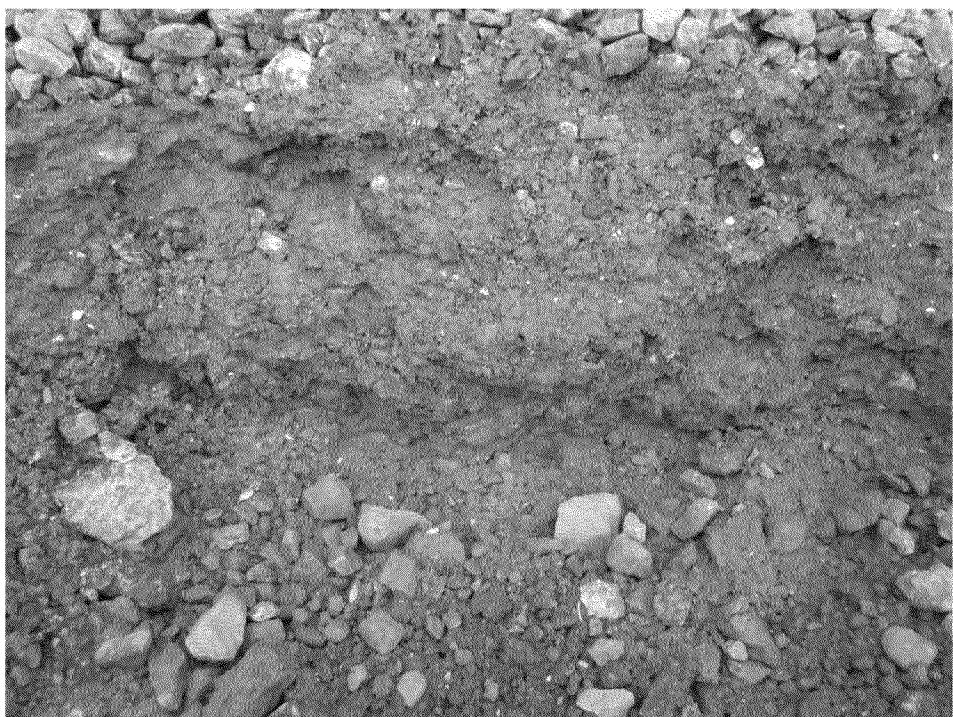
TETRA TECH EC, INC

RECORD COPY

ED 004747 00022060-00020

ATTACHMENT 10
NORTH PIER TEST PIT PHOTOGRAPHS

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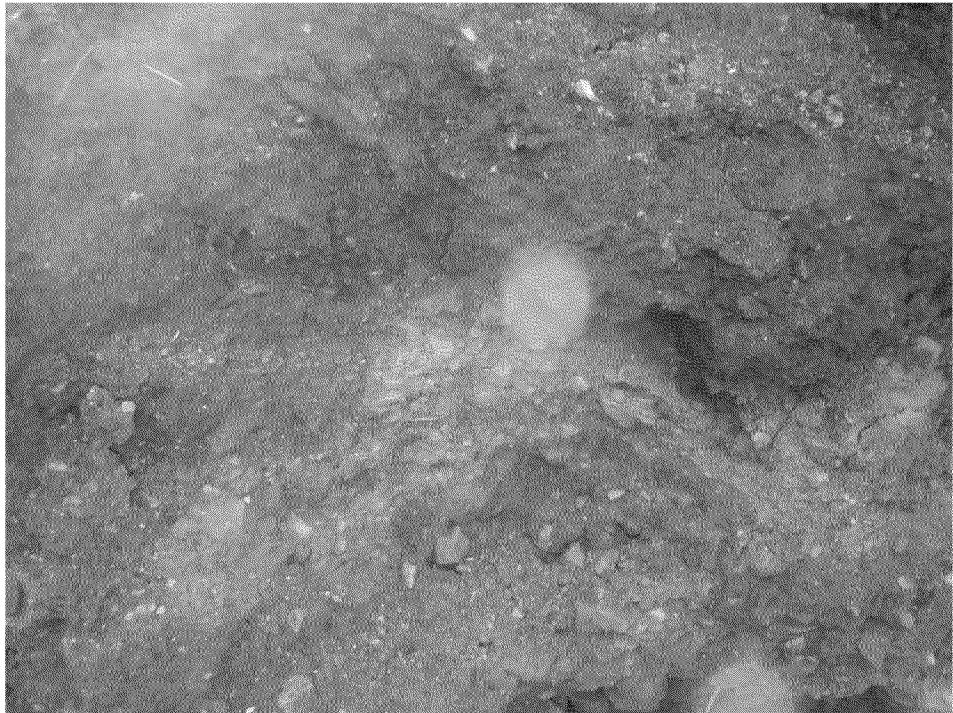


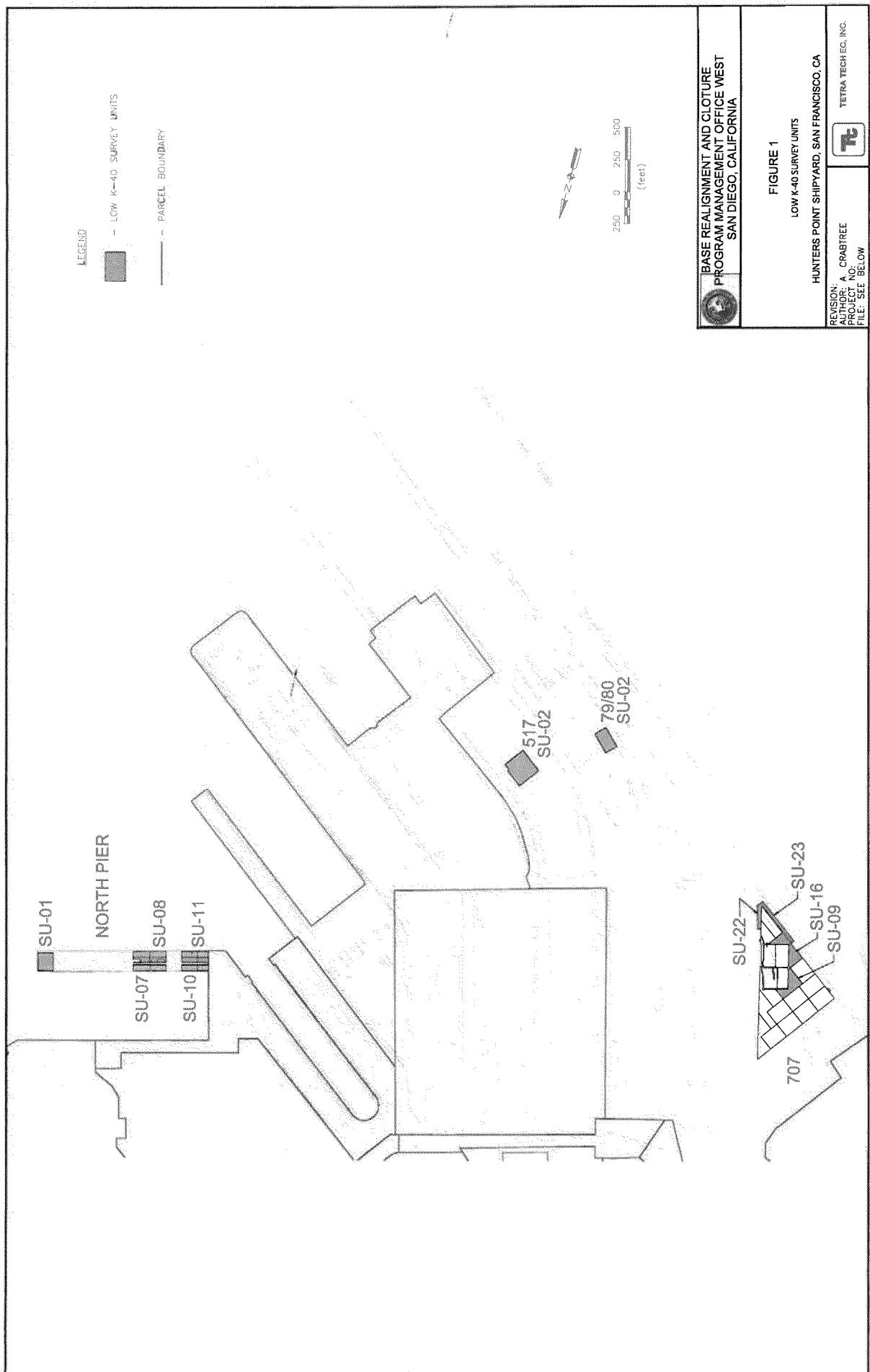












PICAD Project Files\Base\Site Survey\Key Plan Map\KPS_SU\BASE KEY PLAN_Low K-40_10-26-12.dwg

10/26/12

NPR	11	48	Systematic	02NPR-S0011-F048-01	30-Oct-12	J Taylor/M Winder	12.14	0.2565	0.005146	0.4333	0.409	12.2	0.53
NPR	11	49	Systematic	02NPR-S0011-F049-01	30-Oct-12	J Taylor/M Winder	9.098	0.25	-0.001031	0.1485	0.4051	9.04	0.363
NPR	11	50	Systematic	02NPR-S0011-F050-01	30-Oct-12	J Taylor/M Winder	16.97	0.6765	-0.004635	0.5016	0.5628	18.1	0.616
NPR	11	51	Systematic	02NPR-S0011-F051-01	30-Oct-12	J Taylor/M Winder	13.41	1.043	0.007397	0.4005	0.4926	12.7	0.604
NPR	11	52	Systematic	02NPR-S0011-F052-01	30-Oct-12	J Taylor/M Winder	8.479	-0.03818	0.008437	0.3315	0.2834	9.26	0.384
NPR	11	53	Systematic	02NPR-S0011-F053-01	30-Oct-12	J Taylor/M Winder	7.729	0.7058	-0.001174	0.2842	0.2897	8.9	0.377
NPR	11	54	Systematic	02NPR-S0011-F054-01	30-Oct-12	J Taylor/M Winder	7.245	0.3539	0.005391	0.1395	0.3227	6.87	0.176
NPR	11	55	Systematic	02NPR-S0011-F055-01	30-Oct-12	J Taylor/M Winder	8.09	0.7814	-0.00497	0.2925	0.4314	6.2	0.304
NPR	11	56	Systematic	02NPR-S0011-F056-01	30-Oct-12	J Taylor/M Winder	7.659	0.4121	-0.0006429	0.1912	0.2862	8.42	0.34
NPR	11	57	Systematic	02NPR-S0011-F057-01	30-Oct-12	J Taylor/M Winder	7.622	0.7293	-0.008737	0.297	0.1676	7.41	0.388
NPR	11	58	Systematic	02NPR-S0011-F058-01	30-Oct-12	J Taylor/M Winder	13.23	0.8045	0.009238	0.4011	0.3905	15.9	0.632
NPR	11	59	Systematic	02NPR-S0011-F059-01	30-Oct-12	J Taylor/M Winder	10.76	0.7667	0.01065	0.1496	0.3622	10.5	0.388
NPR	11	60	Systematic	02NPR-S0011-F060-01	30-Oct-12	J Taylor/M Winder	5.482	0.2624	0.01339	0.101	0.2512	6.81	0.263
NPR	11	61	Systematic	02NPR-S0011-F061-01	30-Oct-12	J Taylor/M Winder	9.871	0.731	0.002692	0.3444	0.3717	9.89	0.445
NPR	11	62	Systematic	02NPR-S0011-F062-01	30-Oct-12	J Taylor/M Winder	7.096	0.4656	0.004129	0.3798	0.366	9.49	0.34
NPR	11	63	Systematic	02NPR-S0011-F063-01	30-Oct-12	J Taylor/M Winder	7.92	0.8474	0	0.2265	0.1184	7.31	0.475
NPR	11	64	Systematic	02NPR-S0011-F064-01	30-Oct-12	J Taylor/M Winder	7.835	0.3401	-0.007842	0.1825	0.1433	7.53	0.272
NPR	11	65	Systematic	02NPR-S0011-F065-01	30-Oct-12	J Taylor/M Winder	10.78	0.8868	0	0.379	0.4846	11.4	0.432
NPR	11	66	Systematic	02NPR-S0011-F066-01	30-Oct-12	J Taylor/M Winder	4.761	0.2435	-0.001662	0.004619	0.04502	6	0.154

NPR	11	48	Systematic	02NPR-S0011-F048-01	30-Oct-12	J Taylor/M Winder	12.14	0.2565	0.005146	0.4333	0.409	12.2	0.53
NPR	11	49	Systematic	02NPR-S0011-F049-01	30-Oct-12	J Taylor/M Winder	9.098	0.25	-0.001031	0.1485	0.4051	9.04	0.363
NPR	11	50	Systematic	02NPR-S0011-F050-01	30-Oct-12	J Taylor/M Winder	16.97	0.6765	-0.004635	0.5016	0.5628	18.1	0.616
NPR	11	51	Systematic	02NPR-S0011-F051-01	30-Oct-12	J Taylor/M Winder	13.41	1.043	0.007397	0.4005	0.4926	12.7	0.604
NPR	11	52	Systematic	02NPR-S0011-F052-01	30-Oct-12	J Taylor/M Winder	8.479	-0.03818	0.008437	0.3315	0.2834	9.26	0.384
NPR	11	53	Systematic	02NPR-S0011-F053-01	30-Oct-12	J Taylor/M Winder	7.729	0.7058	-0.001174	0.2842	0.2897	8.9	0.377
NPR	11	54	Systematic	02NPR-S0011-F054-01	30-Oct-12	J Taylor/M Winder	7.245	0.3539	0.005391	0.1395	0.3227	6.87	0.176
NPR	11	55	Systematic	02NPR-S0011-F055-01	30-Oct-12	J Taylor/M Winder	8.09	0.7814	-0.00497	0.2925	0.4314	6.2	0.304
NPR	11	56	Systematic	02NPR-S0011-F056-01	30-Oct-12	J Taylor/M Winder	7.659	0.4121	-0.0006429	0.1912	0.2862	8.42	0.34
NPR	11	57	Systematic	02NPR-S0011-F057-01	30-Oct-12	J Taylor/M Winder	7.622	0.7293	-0.008737	0.297	0.1676	7.41	0.388
NPR	11	58	Systematic	02NPR-S0011-F058-01	30-Oct-12	J Taylor/M Winder	13.23	0.8045	0.009238	0.4011	0.3905	15.9	0.632
NPR	11	59	Systematic	02NPR-S0011-F059-01	30-Oct-12	J Taylor/M Winder	10.76	0.7667	0.01065	0.1496	0.3622	10.5	0.388
NPR	11	60	Systematic	02NPR-S0011-F060-01	30-Oct-12	J Taylor/M Winder	5.482	0.2624	0.01339	0.101	0.2512	6.81	0.263
NPR	11	61	Systematic	02NPR-S0011-F061-01	30-Oct-12	J Taylor/M Winder	9.871	0.731	0.002692	0.3444	0.3717	9.89	0.445
NPR	11	62	Systematic	02NPR-S0011-F062-01	30-Oct-12	J Taylor/M Winder	7.096	0.4656	0.004129	0.3798	0.366	9.49	0.34
NPR	11	63	Systematic	02NPR-S0011-F063-01	30-Oct-12	J Taylor/M Winder	7.92	0.8474	0	0.2265	0.1184	7.31	0.475
NPR	11	64	Systematic	02NPR-S0011-F064-01	30-Oct-12	J Taylor/M Winder	7.835	0.3401	-0.007842	0.1825	0.1433	7.53	0.272
NPR	11	65	Systematic	02NPR-S0011-F065-01	30-Oct-12	J Taylor/M Winder	10.78	0.8868	0	0.379	0.4846	11.4	0.432
NPR	11	66	Systematic	02NPR-S0011-F066-01	30-Oct-12	J Taylor/M Winder	4.761	0.2435	-0.001662	0.004619	0.04502	6	0.154

Highlighted Activities: K-40 ≤ 3 , Ra-226 ≥ 1.633 (On-site) & 1.375 (Off-site); Cs-137 ≥ 0.113 ; Ba-214 ≥ 1.375 ; Pb-214 ≥ 1.375 (pCi/g)

Area	Data Set	Sample Range	Statistic	K-4b	B-214	Pb-214	K-4b	B-214	Pb-214
7980	2	Complete	All	Mean Median St Dev	0.284684188 0.15158 0.0014825	0.036972417 0.06285 0.002485	0.15204949 0.095895 0.0009205	0.164315 0.1155 0.164315	0.177375 0.1545 0.177375
			Final	3 to 6, 8 to 22, 28	Mean Median St Dev	0.2353375 0.14748225 0.08749	0.006277035 0.005874275 0.044975	0.0871569 0.046845 0.0006995	0.164315 0.1155 0.164315
			Re-Sample	29 to 48	Mean Median St Dev	8.3348 6.6205 5.95749911	0.481335 0.3887 0.346753637	0.0707295 0.047095 0.066398078	0.24609745 0.2131 0.178480113
NPR	1,7,8,10,11	Complete	All	Mean Median St Dev	8.893148387 7.287531043	0.47411751 0.354480482	0.0090634723 0.026223499	0.277411966 0.2328 0.024562022	0.22128041 0.174 0.223
			Systematic 1	3 to 22	Mean Median St Dev	17.0906 16.57	0.85631 0.90495	0.00726183 0.006830857	0.641415 0.6356 0.65775
1		Final	28 to 47	Mean Median St Dev	0.85799 0.369138039	0.12564275 0.354320258	-0.001074045 0.0008552577	0.0413675 0.03185 0.17340317	0.280465 0.053185 0.187682068
			Systematic 1	3 to 22	Mean Median St Dev	13.3008 12.53	0.59536 0.61885	0.017158965 0.0033885	0.36853 0.3574 0.37525
7			Final	30 to 49	Mean Median St Dev	1.55229 1.594	0.2316825 0.22805	-0.000954859 0 0.004430395	0.142301963 0.15245 0.038646799
			Systematic 1	3 to 22	Mean Median St Dev	12.4212 10.255	0.660445 0.6288	0.01473532 0.004439136	0.423436 0.3578 0.3931
8		Final	32 to 51	Mean Median St Dev	1.256515 1.2105	0.161917 0.2159	0.000195555 0 0.005601427	0.1363755 0.1266 0.1565754	
			Systematic 1	3 to 22	Mean Median St Dev	13.19005 11.005	0.5334918 0.63374	0.012328835 0.0004808	0.343065 0.3225 0.4038
10			Final	27 to 46	Mean Median St Dev	0.69772 0.8814	0.17755712 0.1572	0.001345335 0 0.005661427	0.1363755 0.1266 0.1565754
			Re-Sample	47 to 66	Mean	9.45525	0.552443	0.004545845	0.248538 0.296093

